Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

SEPTEMBER BUILDING RETURNS

Building returns received too late for publication in last week's issue are given below. There is little change in these figures, the loss being about the same.

	Month of September 1914	Month of September 1913	First nine months of year 1914	First nine months of year 1913
Eastern States				
Baltimore, Md.	$577,692	$808,237	$10,702,179	$7,258,617
For returns from 20 cities published Oct. 8, see p. 227	16,837,280	27,501,550	207,357,288	234,106,684
Totals	$17,414,972 Loss 39%	$28,309,787 Loss 9%	$218,059,467	$241,365,301
Middle West				
Kansas City, Kan.	$62,163	$67,140	$922,151	$942,411
St. Louis, Mo.	519,639	1,180,809	10,422,715	12,676,063
San Antonio, Tex.	188,123	176,128		
For returns from 16 cities published Oct. 8, see p. 227	15,655,765	20,405,982	185,168,695	178,793,079
Totals	$16,425,690 Loss 24%	$21,830,059	$196,513,561 Gain 2%	$192,411,553
Southern States				
Louisville, Ky.	$267,370	$297,170	$3,734,475	$3,378,870
Tampa, Fla.	61,210	53,055	1,178,300	1,156,471
For returns from 7 cities published Oct. 8, see p. 227	1,164,759	1,978,835	23,329,055	27,502,539
Totals	$1,493,339 Loss 35%	$2,329,060	$28,241,830 Loss 11%	$32,037,880
Pacific Coast				
Seattle, Wash.	$547,190	$692,885	$10,517,160	$7,909,400
For returns from 5 cities published Oct. 8, see p. 227	1,374,376	6,480,293	47,690,731	58,747,825
Totals	$1,921,566 Loss 73%	$7,173,178	$58,207,891 Loss 12%	$66,657,225

RAILWAYS

✚**Connecticut**—New York, New Haven & Hartford R.R.—This company has awarded a contract to HOLBROOK, CABOT & ROLLINS CORPORATION, Boston, Mass., for constructing a new main line in New London, Conn., from Hallam St. to the terminal of the new bridge over the Thames River.

North Carolina—Cliffside R.R.—Surveys have been made by this company for the extension of its line from Cliffside to the Brand River. R. R. Haynes, Cliffside, N. C., is Pres. and W. H. Terrell is Ch. Engr.

Georgia—Swift Lumber Co.—The construction of a nine mile extension from Meigs, Ga., to Coolidge and Pavo, Ga., is contemplated by this company.

Iowa—Charles City Western Ry.—Plans are being made by this company to electrify and extend its 16-mile railway in Iowa. E. R. Erusberger, Charles City, Iowa, is Gen. Mgr.

Arkansas—Jonesboro, Lake City & Eastern R.R.—Plans are being prepared by this company for the construction of two extensions into the timber lands from Jonesboro, Ark.

Texas—Altus, Roswell & El Paso R.R.—This company has been organized for the purpose of constructing a railway from Memphis, Tex., to Roswell, N. M., about 291 miles. E. C. Noble, Lubbock, Tex., is Pres. and Gen. Mgr.

Oklahoma—The Oil Belt Terminal Co., Jennings, Okla., has been purchased by C. N. Haskell, Tulsa, Okla., and associates. The new owners plan the extension of the line from Jennings to Drumright and Cushing, Okla., about 21 miles.

New Mexico—Altus Roswell & El Paso R.R.—See item under Texas.

Oregon—The citizens of Douglas County, at an election to be held soon, will vote on the proposition to issue $500,000 in bonds, the proceeds of which will be used for the construction of a railway from Roseburg, Ore., to Coos Bay tidewater.

California—Atchison, Topeka & Santa Fe R.R.—Preliminary arrangements are being made by this company for improving its tracks and roadbed from Richmond, Calif., to Stockton, Calif. F. M. Bisbee, Amarillo, Tex., is Ch. Engr. Western lines.

✚**Ontario**—Lake Huron & Northern Ontario—This company has awarded the contract for the extension of the railway, formerly the Bruce Mines & Algoma line, from Bruce Mines, Ont., north, to the ONTARIO NORTHERN CONSTRUCTION CO. H. Appleton, Bruce Mines, Ont., is Vice-Pres. and Gen. Mgr.

ELECTRIC RAILWAYS

Washburn, Maine—Plans have been completed and surveys are being made by the Quebec Extension Ry. to begin construction in 1915 of its 100-mile line between Washburn and Quebec. It will extend across the northern part of Maine to connect the existing lines at Quebec and New Brunswick, and across New Brunswick to the Quebec border.

Franklin, Mass.—The Milford, Attleboro & Woonsocket St. Ry. has applied to the City Council for a franchise to relocate its tracks in Central St.

Swampscott, Mass.—The City Council has granted permission to the Bay State St. Ry. to double track its line on Humphrey St., from the Lynn line to Commonwealth Ave.

Danbury, Conn.—Plans of the Danbury & Bethel St. Ry. for the reconstruction of its track on White St., Danbury, and the construction of a turnout at that place have been approved by the Public Utilities Commission.

Burgettstown, Penn.—Plans are being considered by the West Penn Traction Co. for the extension of its Oakdale and McDonald branch to Burgettstown. W. E. Moore, First National Bank Bldg., Pittsburgh, is Vice-Pres. and Gen. Mgr.

Marietta, Penn.—The Conestoga Traction Co. plans to extend its lines from Marietta to Maytown, a distance of three miles.

Philadelphia, Penn.—The Philadelphia Rapid Transit Co. has been requested to consider plans for extending its line on 56th St.

Washington, D. C.—The House of Representatives has passed a Senate bill authorizing the Washington Ry. & Electric Ry. to extend its tracks from the point where its present tracks intersect Portland St., S. E., thence along Portland St. in a westerly direction to Fourth St., S. W.

Owensport, W. Va.—A company is being organized under the name of the West Virginia Electric Co. for the purpose of building a 50-mile electric railway from Owensport to Weston.

Durham, N. C.—Plans are being made to organize a company for the purpose of building a 12-mile electric line between Durham and Chapel Hill. C. G. Creighton, Durham, is interested.

Lula, Ga.—The Lula-Homer Ry. Co. has been recently organized for the purpose of building a 15-mile railway from Lula to Homer. The incorporators are: S. A. Carter, W. A. Boling, B. E. Chapman, Joel Coffee and E. F. Whitworth, Lula; C. H. Chambers and E. A. Mize, Homer.

Gadsden, Ala.—Plans have been prepared and a preliminary survey has been made for the proposed electric railway from Gadsden to Centre through a section of Cherokee County. It is also planned to extend the line to East Gadsden which will require the construction of a bridge across the Coosa River.

Alexandria, La.—S. A. Guy and W. A. Sullivan, Shreveport, La., are interested in the construction of an electric railway in Alexandria.

Cleveland, Ohio—The Cleveland Ry. has been requested to consider plans for extending its Madison Ave. line from the present terminus at West 117th St. to the Rocky River in Cleveland.

Ypsilanti, Mich.—The Ypsilanti St. Ry. has requested the City Council to grant it a franchise to construct an electric belt line in Ypsilanti and to arrange to use the tracks of the Detroit, Jackson & Chicago Ry. on Michigan Ave., Washington, and West Cross Sts. Frederick H. Zeigen, Detroit, Mich., is Pres.

East Dubuque, Ill.—It is planned to organize a company for the purpose of building an electric railway to connect Platteville with Lancaster, the county seat of Grant County, the inland villages west and north, and also to connect with the Chicago, Milwaukee & St. Paul R.R. and the Chicago, Northwestern R.R. at Shullsburg, the Illinois Central R.R. at Apple River, Ill., the Chicago, Great Western R.R. at Stockton and the several lines at Freeport, where connections will be made with the Illinois Traction System, thus giving Grant County a direct route to Chicago.

Los Angeles, Calif.—The City Council has granted a franchise for a period of 21 years to the Pacific Electric Ry. Co. to construct and operate an electric railway in sections of Sixth St. and Central Ave. J. McMillan, Los Angeles, is Gen. Mgr.

Redlands, Calif.—Plans are under consideration for building an electric railway from Redlands Junction to Yucaipa via Redlands. G. S. Biggin and E. A. Warner are interested.

San Francisco, Calif.—The North Beach Promotion Association has requested the Board of Supervisors to authorize the San Francisco Ry. to extend its line down Stockton St. to the Embarcadero.

Stockton, Calif.—The City Council has been requested by the Tidewater Southern Ry. to grant it a franchise for the purpose of extending its tracks in Stockton to connect its warehouses, manufactories and other industries and enterprises within its line of railway and for the purpose of connecting its line with the tracks of other railroad companies in Stockton.

St. John, N. B.—The St. John Ry. has been requested to consider plans for extending its lines through Simonds, St. John County.

LIGHT, HEAT AND POWER

✚**Peabody, Mass.**—The B. E. Cox Leather Co. has awarded the contract for the construction of a 45x50-ft. concrete power house in the rear of its plant at Wallis and Hardy Sts. to the E. H. PORTER CO. at about $10,000.

Binghamton, N. Y.—Bids will be received until Oct. 19, by J. H. B. Hanify, Secy. State Hospital Comn., Albany, N. Y., for a new boiler, stack, etc., at the Binghamton State Hospital.

✚Contracts for the installation of electrical equipment in the new high schools at Endicott and Lestershire, Broome County, have been awarded to the BLANDING ELECTRIC SUPPLY CO., State St., Binghamton.

Pittsburgh, Penn.—As the Allegheny County Light Co. has refused to reduce the price of electric current furnished to the city schools, the Board of Education is having plans and estimates prepared for installing power plants in at least five of the largest school buildings. C. L. Woolbridge is Supt. of Bldgs. for the Bd. of Education.

Frostburg, Md.—The Hagerstown & Frederick Electric Ry. Co. has recently purchased the plant of the Frostburg Illuminating Co., and plans to enlarge and improve the plant.

✚**Princess Anne, Md.**—E. C. Cannon has awarded the contract for the construction of a 24x42-ft. brick power house to PUSEY & McALLEN, Princess Anne. The cost of the plant, including equipment, will be about $9000.

Westminster, S. C.—At a recent election, the citizens voted in favor of a bond issue of $10,000 to be used for the construction of a municipal electric-light plant. Plans have been prepared by the J. B. McCrary Co., Atlanta, Ga. Noted Aug. 20.

Leesburg, Ga.—The J. B. McCrary Co., Atlanta, Ga., has prepared plans for a municipal electric plant to cost, it is reported, about $30,000. Noted Jan. 8, 1914.

Pulaski, Tenn.—The city will build a brick power house, and will remove the electric-light plant from the City Hall. James T. Watson is Mgr. and Engr. of the power station.

Butler, Ohio—The citizens have voted $4000 in bonds to be used in purchasing a gas engine for the municipal electric-light plant. Other improvements to the plant are also under consideration.

Camden, Ohio—The citizens will vote, Nov. 3, on the question of a bond issue, the proceeds of which will be used for the construction of a light plant and water system, estimated to cost $35,000.

✚**Marysville, Ohio**—The State Board, Columbus, has awarded the contract for power house equipment, wells and the installation of pumps at the State Reformatory for Women to SKELDON ENGINEERING CO., Toledo, Ohio, at $7545.

Spencerville, Ohio—It is reported that bids will be asked for rebuilding the municipal electric-light plant as soon as the $10,000 bond issue which was voted for the purpose can be sold. Noted July 16.

Toledo, Ohio—Bids will be received until Nov. 6 by the Board of Commissioners of Lucas County for the construction of a power house and equipment for the new heating, lighting and power plant at the Lucas County Children's Home. Charles J. Sanzenbacher is County Audr. E. Bayer, Nicholas Bldg., Toledo, is Engr.

Lansing, Mich.—The Electric Light Commissioners and the Board of Waterworks have purchased a site on South Pennsylvania Ave. upon which to build an auxiliary pumping station and light plant. Guy C. Crane is Supt. of Waterworks.

Saginaw, Mich.—The City Council has been petitioned to submit the question of a bond issue for the construction of a municipal electric-light plant to the voters at the regular November election. Herman H. Eymer is City Engr. Noted Aug. 13.

Vanderbilt, Mich.—John Yuill, Vanderbilt, is considering the development of water power to supply electricity to the towns of Vanderbilt and Gaylord.

Wyandotte, Mich.—It is reported that the improvements to the municipal electric-light plant, for which the sum of $40,000 was recently voted, will be completed within the next four months. A. S. McClenehan is Supt.

Carbondale, Ill.—It is reported that the Trustees of the Southern Illinois State Normal University have rejected all bids received for a power plant and its equipment. James B. Dibelka, 29 South La Salle St., Chicago, Ill., is State Arch.

Larchwood, Iowa—Bonds to the amount of $10,000 have been voted for the establishment of a municipal electric-light plant.

Manson, Iowa—The Manson Electric Light & Power Co. is considering the purchase of new equipment for its power plant. H. R. Healey is Mgr.

Oelwein, Iowa—The Oelwein Light, Heat & Power Co. has engaged George H. Rowe of the Utility Development Co., Chicago, Ill., to superintend the reconstruction of its plant which was recently destroyed by fire. The equipment will include one 250-kw., and two 150-kw. generators and a smokestack 140 ft. high. Noted Sept. 24.

Sergeant Bluff, Iowa—Bids will be received until Oct. 17 by the Village Board for the construction of a power house and pole line, and for furnishing an engine, generator, storage battery and switchboard. The Ryan Electric Co., 312 Pierce St., Sioux City, Iowa, is Engr.-in-Charge. Noted Aug. 20.

Kansas City, Kan.—It is reported that bids will be received the latter part of October by L. H. Chapman, Comr. of Water and Light, for a 3500-kw. turbine generator with condenser equipment, switchboard, etc., for the municipal electric-light plant.

Blair, Neb.—The citizens have voted in favor of a bond issue of $35,000 for the construction of a municipal electric-light plant. Noted Nov. 27, 1913.

Summit, S. D.—The Town Council is considering the establishment of a municipal electric-light plant. J. B. Sullivan, Huron, S. D., is Engr.-in-Charge.

Crane, Mo.—The Crane Ice & Cold Storage Co., owned by C. F. Woodson and W. E. Montgomery, contemplates the establishment of an electric-light station in connection with the 10-ton ice plant about to be built.

Smithville, Mo.—At a recent special election, the citizens voted in favor of establishing a municipal electric-light plant.

Sand Springs, Okla.—The Sand Springs Power, Light & Water Co., P. O. Box 128, Tulsa, Okla., plans to install an electric-light plant in Sand Springs.

✚**Moab, Utah**—J. W. Christensen, Fairview, and C. A. Hammond, Moab, who were recently granted a franchise for the establishment and operation of an electric-light plant, have awarded the contracts for equipment for the plant and distributing system to the INTER-MOUNTAIN ELECTRIC CO., East First South St., Salt Lake City.

San Francisco, Calif.—It is reported that the Board of Public Works has directed the Board of Consulting Architects to prepare plans for the construction of a power plant for the Civic Center. It will cost about $75,000. M. M. O'Shaughnessy is City Engr.

Sydney, N. S.—Bids will be received until Oct. 3 by the City Council for furnishing one 220-volt, three-phase 60-cycle turbine pump, and an all-air priming pump. Norman Hay is Engr.

St. John, N. B.—Bids are being received by Francis S. Walker, Sanitary Engr., 18 Germain St., for boiler fittings for the heating plant for the new hospital.

BRIDGES

✚**Bellingham, Mass.**—(Official)—The Board of Selectmen has awarded the contract for the construction of a bridge over the Charles River at Caryville, to JAMES A. MONROE, North Attleboro, Mass. Noted Oct. 1.

Boston, Mass.—Bids were opened Oct. 6 by the Metropolitan Park Commission for the construction of the reinforced concrete substructure of the Wellington Bridge at Somerville and Medford, to replace the one destroyed by fire last June. The three lowest bids were: Coleman Bros., Boston, $44,013; T. Stuart's Son Co., Newton, Mass., $49,950; W. M. Bailey, Malden, Mass., $57,515. Noted June 11, July 9 and Sept. 3.

✚**New London, Conn.**—It is reported that the New York, New Haven & Hartford R.R. has awarded the contract for constructing the westerly approaches of its proposed bridge over the Thames River to RYAN & KEON, 176 Federal St., Boston. The contract includes two concrete bridges over Winthrop Cove in addition to the embankment.

★**Schuylerville, N. Y.**—(Official)—Bids will be received until 4 p.m., Nov. 6, by the Town Clerk of the Town of Saratoga, in the village of Schuylerville, for the construction of the substructure and superstructure of a bridge over the west channel of the Hudson River, near Schuylerville. For further information, see advertisement under "Contracts to Be Let."

New Brunswick, N. J.—(Official)—Bids will be received until 2:30 p.m., Oct. 26, by the Board of Chosen Freeholders of Middlesex County for the construction of a reinforced concrete bridge over Noes' Creek, at Bryant St., Borough of Roosevelt. Alvin B. Fox, Perth Amboy, is County Engr. A. J. Gebhardt is Dir. Bd. of Chosen Freeholders.

South Amboy, N. J.—(Official)—The Raritan River R.R. is constructing a bridge over its tracks at Washington Ave. The work is being done by the railroad's own forces, under the direction of Thornsed Filscow, Engr. of M. W. and Structures. The bridge will be of reinforced concrete and will cost about $10,000. Noted Oct. 8.

Trenton, N. J.—The city contemplates the construction of an ornamental bridge over Assanpink Creek, connecting Mahlon Stacy Park with the river property. J. Ridgway Fell is City Comr.

✚**Allentown, Penn.**—The Commissioners of Lehigh County have awarded contracts for the construction of one bridge and the repair of two others to the ALLENTOWN CONSTRUCTION CO., at $4705. The contract for repairs to the Salisbury Church Bridge was awarded to the WEAVER CONTRACTING CO., at $1169. Noted Sept. 10.

✚**Ellwood City, Penn.**—(Official)—The Commissioners of Lawrence County have awarded the contract for the construction of a 645-ft. steel bridge at Ellwood City to the CANTON BRIDGE CO., Canton, Ohio, at $108,429. Noted Sept. 3 and Sept. 17.

✚**Harrisburg, Penn.**—(Official)—The Commissioners of Dauphin County have awarded the contract for the construction of a bridge over Swatara Creek between Royalton and Middletown to the FERRO-CONCRETE CO., Harrisburg, at $17,045. List of bidders noted Oct. 1.

Philadelphia, Penn.—(Official)—Bids will be received until Oct. 22, by M. L. Cooke, Dir. Dept. of Pub. Wks., for the construction of a bridge to cost about $40,000, on the line of Sherwood Ave. The superstructure will be of reinforced concrete, with concrete abutments. George S. Webster is Ch. Engr. Noted Sept. 24.

Leipsic, Del.—(Dover post office)—Plans have been completed by W. H. Scott, Engr., for the construction of a 150-ft. steel bridge at Leipsic. J. Lynn Pratt, Dover, Del., is a Commissioner of Kent County.

Wilmington, Del.—The City Council is considering the construction of a bridge over the Brandywine at Washington St. A. J. Taylor is City Engr.

Gadsden, Ala.—See item under "Electric Railways."

✚**Greenville, Miss.**—(Official)—The Board of Supervisors of Washington County has awarded the contract for the construction of three steel bridges in the Bogue Phalia Drainage District to the LARIMER & BURGET BRIDGE CO., Memphis, Tenn., at $6847. Two of the bridges are 180 ft. long each, and the third one is 75 ft. long. Noted Oct. 1.

✝Newton, Miss.—(Official)—The Board of Supervisors of Newton County has awarded the contract for the construction of 18 small bridges, of creosoted timber, in District No. 4, to R. E. KEITH, Decatur, Miss., at $8840. Noted Sept. 24.

Lake Charles, La.—The Police Jury of Calcasieu Parish has appointed a special committee to take charge of preliminary plans for a reinforced concrete bridge over the Calcasieu River, at Lake Charles. The estimated cost of the bridge is $175,000.

Plaquemine, La.—(Official)—The Police Jury of Iberville Parish has rejected all bids received Oct. 3 for the construction of a steel drawbridge over Bayou Grosse Tete Bay, and the work will be readvertised. W. A. Holloway is Pres. of the Police Jury. Noted Oct. 1.

Memphis, Tenn.—Bids for the construction of a reinforced-concrete culvert over the Bayou Gayoso at Mill Ave. were received as follows: F. D. Harvey, $13,675; T. A. Gavin, $14,065; Koehler Bros. & Fowler Construction Co., $13,400; William O. White, $11,277; A. M. Alexander, $11,100; B. C. Pouncy, $15,800; Larkin & Co., $13,387. J. H. Weatherford is City Engr.

✝Louisa, Ky.—The Chesapeake & Ohio Ry. has awarded the contract for the construction of a bridge over the Levisa Fork of the Big Sandy River, about three miles from Louisa, to the VIRGINIA CONCRETE CO., Roanoke, Va.

Ludlow, Ky.—Plans have been prepared for a new concrete viaduct at Elm St. over the tracks of the Queen & Crescent Route. The estimated cost is $34,615, or about $16,000 more than the original estimates, owing to the difficulty in securing a solid foundation on account of the beds of quicksand. The plans have been referred to the Committee on Streets and Railroads. Noted Sept. 17.

✝Cincinnati, Ohio—(Official)—The Commissioners of Hamilton County have awarded contracts for the construction of a concrete bridge over Mill Creek on Wayne Ave., Springfield Township, and for the repair of a bridge over Syracuse Creek near Perin's Place, Symmes Township, to CHARLES STAAB, Reading, Ohio, at $32,160 and $1125 respectively. Noted Sept. 17.

Delaware, Ohio—(Official)—Plans have not yet been completed for the construction of a concrete bridge over the Olentangy River, at Winter St., of which the estimated cost is $36,000. A special committee of the Commercial Club has coöperated with the Commissioners of Delaware County to promote the construction of this bridge. Bids will be received by the County Commissioners. Noted Sept. 24.

Lima, Ohio—Bids will be received until noon, Oct. 21, by the Board of Commissioners of Allen County for the construction of the superstructure of a bridge in Bath Township. H. J. Lawlor is Clk. of Comrs.

Warren, Ohio—Bids will be received until 1 p.m., Oct. 19, by W. R. Harrington, Audr. of Trumbull County, for the construction of a bridge in Idylwild Park, Brookfield Township.

✝Rensselaer, Ind.—(Official)—The Commissioners of Jasper County awarded the following contracts on Oct. 6, for the construction of nine bridges in the county: B. D. McCOLTY, Rensselaer, $2194 for three bridges; F. M. WILLIAMS, Winamac, $1583 for two bridges; ELKHART BRIDGE CO., Elkhart, $695 for one bridge; ROCHESTER BRIDGE CO., Rochester, Ind., $3289 for one bridge; EAST ST. LOUIS BRIDGE CO., East St. Louis, Ill., $1380 for two bridges.

✝Harmon, Ill.—(Official)—Harmon Township has awarded the contract for the construction of the Clatworthy Bridge to the CLINTON BRIDGE WORKS, Clinton, Iowa, at $2985; the contract for the Kimball Bridge was awarded to the JOLIET BRIDGE & IRON CO., Joliet, Ill., at $3047. The Decatur Bridge Co., Decatur, Ill., bid $3500 and $3600 respectively for these bridges. Noted Sept. 24.

LaSalle, Ill.—It is reported that the Shippingsport Bridge at LaSalle has been condemned as unsafe, and that the State and County Engineers will recommend the construction of a new bridge over the Illinois River at this point. The approximate cost will be $125,000. George Farnsworth, Ottawa, Ill., is County Engr. of LaSalle County.

Kansas City, Kan.—The Commissioners of Wyandotte County have instructed the County Engineer to prepare plans for the reconstruction of the Central Ave. Bridge over the Kaw River. The estimated cost of an entire new bridge is $250,000, or if one or two spans of the old bridge are used, about $60,000 may be saved. The Metropolitan Street Ry. Co. will pay a part of the cost. Frank Holcomb is County Clk. Noted Sept. 24.

✝Leavenworth, Kan.—(Official)—Contracts for the construction of 19 small bridges and culverts, total cost about $15,450, have been awarded by the Commissioners of Leavenworth County to: The MISSOURI VALLEY BRIDGE CO.; FRED. TERRY & SON; TIERNEY & HAND and JEFFRIES & MARTIN. Noted Oct. 1.

Wichita, Kan.—The Commissioners of Sedgwick County have passed a resolution for the construction of a pile bridge over the Arkansas River in Riverside Township. It will be about 400 ft. long. Plans will be prepared at once by E. V. Moone, County Engr., and bids will soon be asked.

Medora, N. D.—(Official)—We are advised that bids for a bridge over the Little Missouri River will not be readvertised at present, as there is no sale for the bonds to pay for its construction. List of bids received Sept. 7. Noted Oct. 1.

Billings, Mont.—Press reports state that the Commissioners of Yellowstone County have selected a site over the Yellowstone River near Duck Creek for the construction of a bridge to cost about $30,000.

Independence, Mo.—The Missouri State Utilities Commission has ordered the construction of a viaduct over the 15th St. Road crossing of the Chicago & Alton R.R., the railroad company to pay 60% and Jackson County 40% of the cost, which is estimated at $32,490. The viaduct is to be of concrete, 478 ft. long, 30 ft. wide, with approaches of 375 ft. Plans are to be prepared by the Engineer of Jackson County, and approved by the Utilities Commission and the railroad. They must be submitted to the Commission by Nov. 20.

Jefferson City, Mo.—The Highway Engineer of Cole County has prepared plans for the construction of a bridge, about 1300 ft. long, over the Osage River at Lisletown. The estimated cost is $65,000, the expense to be divided between Cole and Osage Counties. It is reported that bonds will be voted to pay for this bridge.

Monticello, Ark.—Bids will be received until noon, Oct. 24, by W. A. Coker, County Judge of Drew County, for the construction of a steel bridge over Bayou Bartholemew, three miles west of Tillar. Noted Sept. 17.

Wynne, Ark.—It is reported that bids will soon be asked for the construction of 15 highway bridges over the canals in Drainage District No. 3, of Cross County. W. S. Newsom, Wynne, is Engr.

Dallas, Tex.—The Board of City Commissioners has rejected all bids for the construction of a concrete arch over Turtle Creek at Bowen St. as being too high. New bids will be asked. There were four bids, ranging from $14,750 to $29,349. S. B. Scott is Street Comr.

✝Fort Worth, Tex.—(Official)—The Commissioners of Tarrant County have awarded the contract for the construction of a bridge on the Fort Worth and Azle Road to the TRINITY BRIDGE CO., at $4389. Other bidders were: Mahuren & Chester, $4845; Montgomery, Watt & Echols, $4888; Tarrant Construction Co., $5262; El Paso Bridge Co., $5309; E. C. Woodward, $5750. Noted Sept. 24.

Fredericksburg, Tex.—(Official)—The Commissioners of Gillespie County rejected all bids received Oct. 3 for the construction of a low-water bridge over the Pedernales River, at Austin Crossing. Herman Usener is County Clk. Noted Oct. 1.

Memphis, Tex.—The Altus, Roswell & El Paso R.R. will, it is reported, build two steel bridges and several wooden trestles on its proposed line from Memphis, Tex., to Roswell, N. M.

San Antonio, Tex.—The City Council plans the construction of two bridges over San Pedro Creek, one at North Flores St. and the other at West Laurel St. A. C. Pancoast is City Engr.

Twin Falls, Idaho—The Board of Commissioners of Twin Falls County has appropriated $10,000 for the Shoshone Falls Bridge, $9000 for the Hansen Bridge, and $4000 for the Murtaugh Bridge. The money will be available when the state, Lincoln and Minidoka Counties have appropriated similar amounts.

✝Provo, Utah—(Official)—The Commissioners of Utah County have awarded the contract for the construction of a bridge over the Provo River at Pleasant View to the PROVO FOUNDRY & MACHINE CO., Provo, at $4050; the contract for a bridge over the Jordan River near Lehi was awarded to the MIDLAND BRIDGE CO., Kansas City, Mo., at $4380. List of bidders noted Sept. 24.

Buckley, Wash.—The following bids were received by the Commissioners of King County for furnishing steel for the King-Pierce County bridge over the White River at Buckley: United States Steel Co., $11,472; Minnesota Steel & Machine Co., $12,000; Illinois Steel & Bridge Co., $12,697; Omaha Structural Steel Co., $12,831; Massillon Co., $13,059; C. W. Raynor, $11,625; Milwaukee Bridge & Iron Co., $11,998; C. W. Kinnan & Co., $13,000; Central States Bridge Co., $11,620. Noted July 30, Aug. 6 and Sept. 3.

Seattle, Wash.—The City Council failed to pass the ordinance appropriating $8000 from the general fund for the completion of the piers of the Montlake Blvd. Bridge. Noted July 16 and Sept. 10.

✝Seattle, Wash.—The Board of Park Commissioners has awarded the contract for the construction of a bridge across the McGaw St. Gulch to ELMER JOHNSON, 6742 Third Ave. N. W., Seattle, at about $5000.

Bonsall, Calif.—(Official)—Bids will be received until 11 a.m., Oct. 19, by the Board of Supervisors of San Diego County, San Diego, for the construction of a reinforced concrete bridge at the mouth of Gopher Cañon near Bonsall, Route 4, Div. 2, County Highway Commission Survey. B. Allen, San Diego, is Deputy Clk. of the Bd. of Supvrs.

San Jose, Calif.—(Official)—Bids will be received until 11 a.m., Oct. 19, by the Board of Supervisors of Santa Clara County, for the construction of a steel pony truss bridge over Uvas Creek on the Bodfish Mill Road. Henry M. Ayer is Chn. of the Bd. Henry A. Pfister is Clk.

WATER SUPPLY—IRRIGATION

★Kings Park, N. Y.—(Official)—Bids will be received by the State Hospital Commission, Capitol, Albany, until 3 p.m., Oct. 19, for driving two artesian wells at the Kings Park State Hospital. For details see advertisement under "Contract To Be Let."

Manchester, N. Y.—The proposition to issue bonds for construction of a water system has been defeated. Noted Sept. 17.

Nyack, N. Y.—The water system will be extended in the southwestern portion of the city at an estimated cost of $7000.

Asbury Park, N. J.—The Common Council has disposed of $50,000 water bonds, recently voted, for the improvement of the water system.

Clinton, N. J.—Bids will be received, until Oct. 22, by the Board of Managers, State Reformatory for Women, for installing a water system in accordance with plans on file at the office of the Commissioner of Charities, Trenton.

Hackensack, N. J.—The Hackensack Water Co. will install a water supply system in the Sunnyside Ave. section, North Bergen. Noted May 28.

New Brunswick, N. J.—The Tide Water Pipe Co. has applied to the Board of Freeholders for permission to install new pipe lines in Woodbridge Road, St. George's Ave., Woodbridge Ave., and Rahway Ave.

Sewell, N. J.—The Board of Public Utility Commissioners has granted the Sewell Water Co. permission to issue $22,500 of its capital stock to provide for improvements.

Wildwood, N. J.—The Board of Commissioners plans to erect a new water plant with a capacity of 3,000,000 gal. daily. The plant is estimated to cost $250,000.

Harrisburg, Penn.—The State Water Supply Commission contemplates constructing a storage reservoir in Crawford County. The estimated cost of the project is $1,600,000.

†Philadelphia, Penn.—(Official)—The contract for two 20,000,000-gal. per day steam turbine driven gear centrifugal pumps has been awarded to DeLAVAL STEAM TURBINE CO., Trenton, N. J. Noted Oct. 1.

Brunswick, Md.—The Board of Aldermen and the Mayor contemplate issuing bonds for $30,000, the proceeds to be used for the improvement of the water system.

Princess Anne, Md.—A franchise has been granted to E. C. Cannon, New York, N. Y., to construct a water system.

Ocala, Fla.—An ordinance has been passed by the Council authorizing the sale of $55,000 in bonds, the proceeds of which will be used for the improvement of the water system.

Camp Hill, Ala.—Bids will be received by W. C. Newell, Mayor, until noon, Oct. 15, for constructing a water and a sewer system. Edgar B. Kay, Tuscaloosa, Ala., is Engr. Noted June 4.

†McComb, Miss.—The contract for constructing a concrete reservoir has been awarded by the city to SLADER & WINNERLAND, McComb, Miss. Bids opened Sept. 29. Noted Sept. 10.

Vicksburg, Miss.—All bids received Sept. 21 for the installation of a municipal water system have been rejected. The work will be readvertised. A. L. Dabeny, Portland Bldg., Memphis, Tenn., is Engr. Noted Aug. 20.

New Orleans, La.—Bids will be received by the Sewerage and Water Board, until Dec. 1, for furnishing riveted steel pipe, five and 12 ft. in diameter, approximate weight 150,000 lb. George G. Earl is Gen. Supt.

Providence, Ky.—Bids are being received by W. E. Hunter, 407 W. Vine Ave., Knoxville, Tenn., for laying two miles each of 4, 6, 8, 10-in. c.-i. pipe and equipment for the Providence Water & Utilities Co. Noted Sept. 10.

Belleville, Ohio—The city contemplates spending $25,000 for the installation of a water system.

Camden, Ohio—The proposition to issue $35,000 in bonds for the construction of a water system and electric light plant will be voted on at the November election. The Reliance Engineering Co. is preparing plans.

Lakewood, Ohio—An election will be held in November to vote on the proposition of issuing $450,000 in bonds, the proceeds of which will be used for the construction of a municipal water system.

Zanesville, Ohio—The Council contemplates issuing $25,000 in bonds, the proceeds to be used for the improvement of the water system.

Ferdinand, Ind.—(Official)—A water works company has been organized with a capital of $21,000. E. D. Pickhardt, Huntingburg, Ind., Construction Engr., is in the market for material for the construction of the system.

Ashton, Ill.—At an election held Oct. 6, bonds for $18,000 for the construction of a water system were voted. Noted Aug. 13.

†Casey, Ill.—The contract for constructing a pumping plant and pipe line has been awarded, according to press reports, to HALL CONSTRUCTION CO., at $60,000.

★Decatur, Ill.—(Official)—Bids will be received until 10 a.m., Oct. 26, for the sale of the second-hand filter plant machinery. Jerome J. Heger is City Clk.

†Grandmound, Iowa—The contract for erecting a 90-ft. steel tower, 50,000 gal. tank, pumping station, etc., has been awarded to DES MOINES BRIDGE & IRON WORKS, Des Moines, at $5615. Bids opened Sept. 29. Noted Sept. 24.

Humeston, Iowa—An election will soon be held to vote on the proposition of issuing $10,000 in bonds the proceeds to be used for the completion of the water system. Noted Aug. 27.

†Stanton, Iowa—(Official)—Bids were received Oct. 1 for constructing a water system as follows: E. J. HECKLE, Kansas City, Mo., at $10,469 (awarded contract); Phelan-Shirley Co., $10,881; Katz Construction Co., $10,690; McCoy & Taylor, $11,337; Alamo Engine & Supply Co., $10,776; Readecker & Conner, $10,853; H. D. Hallett, $10,563; Public Service Construction Co., $10,567; and C. W. Roland Co., $10,956. Noted Sept. 17.

Virginia, Minn.—Bids will be received by the Water and Light Commissioners, until 7 p.m., Oct. 19, for furnishing and installing two 72-in. by 18 ft. horizontal tubular boilers at the water works. C. T. Harding is Engr.

Clatonia, Neb.—(Official)—Bids will be received until 8 p.m., Oct. 30, by J. W. Steinmeyer, Village Clk., for constructing a water system estimated to cost $9000. The Martz Engineering Co., Lincoln, is the Engr. Noted Aug. 6.

Sioux Falls, S. D.—An election will be held Oct. 20 to vote on the proposition of issuing bonds for $135,000, the proceeds of which will be used for the improvement of the water system. L. P. Wolff, Germania Bldg., St. Paul, Minn., is Engr.

Summit, S. D.—Bids will soon be received for the installation of a water system. J. B. Sullivan, Huron, is Consult. Engr. Noted Oct. 1.

Billings, Mont.—Plans have been prepared by Burns & McDonnell, Engrs., Scarritt Bldg., Kansas City, for the construction of a water system. Noted Sept. 17.

Rolla, Mo.—Bonds for $12,000 have been voted by the citizens, the proceeds of which will be used for the improvement of the water system and electric light plant.

†Denison, Tex.—The contract for installing a filtration plant has been awarded by the Mayor and Board of Commissioners to AMERICAN WATER SOFTENING CO., at $15,034. Bids opened Sept. 5. Noted Aug. 5.

Livingston, Tex.—Bonds for $25,000, the proceeds to used for the construction of a water system, have been vo by the citizens.

Pecos, Tex.—An election will be held to vote on the pro sition of issuing bonds for the construction of an irrigati district in Reeves County. Noted July 9.

Port Lavaca, Tex.—The Citizens Light & Water Co. h been organized and will construct a water works and electri light plant. R. H. Hamilton is interested.

Denver, Colo.—A preliminary survey of water condu routes from Platte Cañon to Denver is being made. L. Re nolds is in charge. Noted July 9.

Kanosh, Utah—Bonds for the installation of a wat system have been voted by the citizens.

Everett, Wash.—According to press reports, W. R. Thomp son, Seattle, has been retained by the City Commission t prepare plans for the municipal water system, estimated t cost $100,000.

Quincy, Wash.—An election will be held on Nov. 3, t vote on the proposition of issuing bonds, the proceeds o which to be used for the construction of the Quincy Valle Irrigation project. Noted Jan. 29.

Seattle, Wash.—An ordinance authorizing the installatio of water mains in Graham St. has been passed by the Cit Council.

Cucamonga, Calif.—The Old Settlers Water Co. has bee purchased by the Cucamonga Water Co. for $25,000. Im provements will be made.

Orland, Calif.—Plans will be prepared by the City Engineer for the extension of the water and sewer systems. Bonds for this purchase have been voted. Noted May 28.

Richmond, Calif.—The bond issue for $2,500,000 for the construction of a municipal water system was defeated at a recent election. Noted June 11.

Riverbank, Calif.—Bonds for $400,000 were voted by the residents of the Oakdale Irrigation District on Oct. 5. The proceeds will be used for the extensions of the laterals and for making improvements.

†Montreal, Que.—(Official)—The contract for installing a 24,000,000-gal. pump at the water works has been awarded to E. LAURIE & CO., 245 Bleury St., Montreal, agent for DeLaval Turbine Co., at $47,775. Noted July 23.

Saanichton, B. C.—Bonds for $375,000 for the construction of a water system have been voted by the ratepayers. Noted Oct. 1.

SEWERS

Boston, Mass.—Bids will be received until Oct. 19, by the Public Works Department for constructing a sewer in Tip Top St., Brighton; Herman St., West Roxbury and Lovell and Porter Sts., East Boston. L. E. Rourke is Comr.

Bids will be received until Oct. 20 by the Public Works Department, for constructing sewers in Regent Road, Lenoxdale Ave. and Manley St., Dorchester District. L. K. Rourke is Comr.

New Bedford, Mass.—Bids will be received until Oct. 21, by Charles S. Ashley, Mayor, and the Board of Aldermen, for furnishing a centrifugal pump and motor for the intercepting sewer system. William F. Williams, New Bedford, is Consult. Engr.

Worcester, Mass.—The Sewer Committee has asked the Finance Committee of the Council to appropriate $10,000 for the construction of the outfall sewer.

Elmira, N. Y.—F. H. Shaw, Lancaster, Penn., is preparing plans for the construction of a sewage disposal plant.

†Fairport, N. Y.—(Official)—Bids were received Sept. 30, for constructing about 12,000 ft. of sewers as follows: JAMES F. LEARY CONSTRUCTION CO. INC., Rochester, at $18,227 (awarded contract); A. J. Shaw Jr., $19,235; Bishop Construction Co., $20,593; Goggin & Schultz, $21,827; and Samuel Bonn, $25,346. Noted Sept. 24.

Greece, N. Y.—Bonds will be issued for the construction of a sewer system in the Guilford Bluff District. The estimated cost is $10,000.

Lestershire, N. Y.—George Serafino was low bidder for constructing sewers in Hudson, St. Charles, Laurel and Lester Sts. and Ave. A.

Greenwood Lake Glen (Lakeside post office) **N. J.**—(Official)—Bids will be received by R. M. Ekins, 152 Market St., Paterson, until 4 p.m., Oct. 16, for constructing a sewage disposal plant for the Ringwood Co., at Greenwood Lake Glens. Noted Sept. 24.

Philipsburg ,N. J.—The State Board of Health has directed the city to construct a sewage disposal plant within one year.

Breckenridge, Penn.—Plans have been prepared by Leon Hudson, Engr., for the installation of a sewage disposal plant for Breckenridge and Tatentum.

Connellsville, Penn.—A sewage disposal plant to cost $300,000 has been ordered constructed by the State Board of Health, not later than Jan. 1, 1916. Charles F. Hirst is City Engr.

†East Orange, N. J.—The contract for constructing a drain in Eaton Place and in Fourth Ave. and 19th St. has been awarded to GEORGE P. OLCOTT & SON, Metropolitan Bldg., Orange, at $6441. Noted Sept. 3.

Tampa, Fla.—Ralph Martin, City Engr., has been authorized to prepare plans for the unfinished part of the Hyde Park sewer.

Camp Hill, Ala.—See item under "Water Supply and Irrigation."

†New Orleans, La.—(Official)—Bids were received Oct. 2, by the Sewerage and Water Board for constructing the St. Bernard Ave. reinforced concrete canal as follows: Hampton Reynolds, $190,857; A. L. Patterson, $196,511; VICTOR LAMBOU, $181,205 (awarded contract); F. A. Noulet & Son, $196,509; John Reiss, $212,153; Kane Kelly Construction Co., $192,709; and Jefferson Construction Co., $204,239. Bids were also received for the Broad St. Canal as follows: Kane Kelly Con-

struction Co., $315,077; VICTOR LAMBOU, $266,544 (awarded contract); A. L. Patterson, $286,737; Hampton Reynolds, $280,652; F. A. Noullet & Son, $289,039; and Jefferson Construction Co., $298,354 .

✝New Orleans, La.—The contract for constructing a pumping station on Protection Levee has been awarded by the Sewage and Water Board to JOHN REISS, at $50,942.

✝Farmer City, Ill.—A contract for constructing 11,000 ft. of sewers has been awarded to S. A. TUTTLE, Decatur, at $19,701.

✝Carlyle, Ill.—A contract for constructing a sewer has been awarded to D. E. NIPP, Flora, Ill., at $21,325.

Appleton, Wis.—Bids will be received by F. L. Williams, City Clk., until 9 a.m., Nov. 3, for constructing a sewer in Front St.

✝Creston, Iowa—(Official)—Bids were received, Sept. 30, by the City Clerk, for constructing 8- and 10-in. sanitary sewers in several streets as follows: W. F. Power, Guthrie, Okla., $13,051; A. C. Comstock, Cedar Rapids, Iowa, $12,947; John S. Harrington, Topeka, Kan., $11,702; H. D. Hallett, Aurora, Ill., $15,489; J. S. McLaughlin & Sons, Red Oak, Iowa, $12,445; Akin Flutter Co., Corning, Iowa, $13,407; ALAMO ENGINE & SUPPLY CO., Omaha, Neb., $11,036 (awarded contract); Public Service Construction Co., Omaha, Neb., $11,827; Arthur A. Dobson Co., Lincoln, Neb., $11,736; McCoy & Taylor, Kansas City, Mo., $12,526; Briggs & Corey, Shenandoah, Iowa, $13,265; Blackhawk Construction Co., Waterloo, Iowa, $12,723. Noted Sept. 24.

✝Pocahontas, Iowa—A contract for installing a sewer system has been awarded to HUGHES & CLUBB, Rockford, Ill., at $62,950.

Albion, Neb.—Bids will be received by George Brower, City Clk., until noon, Oct. 30, for constructing a sewer in District No. 4.

Mitchell, Neb.—Bids will be received by G. E. Mark, Village Clk., until 6 p.m., Nov. 17, for constructing lateral sewers in District No. 1.

Aurora, Mo.—Bids will soon be received for a sewage and purification system to be installed by the city. Worley & Black, Engrs., Kansas City, are preparing plans.

✝Granger, Tex.—A contract for constructing a sanitary sewer system has been awarded to DALLAS LIME & GRAVEL CO., Dallas, at $15,000. The work consists of four miles of 6-, 8- and 10-in. sewer and filters. Noted Sept. 17.

Lawton, Okla.—Bids will be received by the City Commissioners, until Oct. 22, for constructing a sewer system in Gore Blvd.

Cathlamet, Wash.—Bids will be received by the City Council, until Oct. 19, for constructing a sewer system. Noted Sept. 17.

✝Hood River, Ore.—A contract for constructing sewers in Division 1, of General Sewer District No. 2 has been awarded to the TRANSFER & LIVERTY CLAY PIPE CO., at $5322.

Portland, Ore.—Bids will soon be received by the City Council for constructing a sewer in East 74th St., from Thorburn Ave. to East 72d St. The estimated cost is $7300.

✝Los Angeles, Calif.—The contract for constructing a sewer in Moneta Ave. has been awarded to B. ZAICH at $11,925.

✝Winnipeg, Man.—The contract for constructing a sewer on Main St. has been awarded to THOMAS JACKSON & SONS, at $15,478.

GARBAGE

Jersey City, N. J.—Bids will be received until 2 p.m. Oct. 22, by M. I. Fagen, City Clk., for the collection and removal of ashes, garbage, kitchen refuse and paper for a period of one year.

Madison, Wis.—J. P. Donovan, Dir. Pub. Health, has asked for an appropriation for the instaliation of two garbage incinerators for the disposal of the city's refuse. The estimated cost is about $23,000.

✝Chisholm, Minn.—The contract for the installation of a six-ton capacity McGuire incinerator has been awarded to the C. E. HUNTER CO., Chicago, Ill., at $4650.

Corpus Christi, Tex.—Bids will be received until Nov. 3 by the City Clerk for furnishing material and constructing garbage crematory. Estimated cost about $20,000.

STREETS AND ROADS

★Hartford, Conn.—(Official)—Bids will be received by the State Highway Commissioner, Room 27, State Capitol, until 2 p.m., Oct. 21, as follows:

Preston Township—about 4990 lin.ft. native stone macadam or gravel on the Norwich-Westerly Turnpike. Estimated quantities, 4800 cu.yd. earth grading, 5760 sq.yd. 7-in. native stone or gravel road, 2000 sq.yd. 4-in. macadam or gravel road, 2000 sq.yd. telford base, 635 lb. steel reinforcement, 155 lin.ft. corrugated iron pipe culverts, 1000 lin.ft. rubble drain, 50 cu.yd. crushed stone fill.

Sterling Township, about 5480 lin.ft. native stone macadam or gravel on the Plainfield Road. Estimated quantities, 2980 cu.yd. earth grading, 620 cu.yd. rock excavation, 8026 sq.yd. 7-in. native stone or gravel road, 500 sq.yd. 4-in. native stone or gravel road, 500 sq.yd. telford, 1300 lb. steel reinforcement, 260 lin.ft. corrugated iron pipe culverts, 400 lin.ft. rubble drain. Specifications at Town Clerk's office, Sterling.

Southbury Township, a section of reinforced concrete retaining wall on the Newton Turnpike. Estimated quantities, 300 cu.yd. earth excavation, 500 cu.yd. borrowed embankment, 100 cu.yd. rock excavation, 530 cu.yd. second class concrete, 5000 lb. reinforcement. Specifications at office of George E. Smith, Div. Engr., New Milford.

Coventry Township, about 4700 lin.ft. native stone macadam on the Hartford-Willimantic Turnpike. Estimated quantities, 3180 cu.yd. borrowed embankment, 5655 sq.yd. 7-in. macadam, 2500 sq.yd. 4-in. macadam, 2500 sq.yd. telford base, 20 cu.yd. concrete, 220 lin.ft. corrugated iron pipe culverts, 1000 lin.ft. rubble drain, 50 cu.yd crushed stone fill. Specifications at Selectmen's office, South Coventry.

East Haven Township: Stone macadam, bituminous macadam or plain concrete on the Short Beach Road. Estimated quantities, 1270 cu.yd. earth grading, 25 cu.yd. borrowed embankment, 3220 cu.yd. rock excavation, 4715 sq.yd. 7-in. macadam and 1500 sq.yd. 4-in. macadam construction, 1500 sq.yd. 4-in. macadam construction, 1500 sq.yd. telford, 1187 cu.yd. concrete, 5215 sq.yd. bituminous macadam, 210 lin.ft. corrugated iron pipe culvert.

Morris Township: About 6700 lin.ft. native stone macadam or gravel on the Watertown Road. Estimated quantities, 1860 cu.yd. earth grading, 3210 cu.yd. borrowed embankment, 100 cu.yd. rock excavation, 150 cu.yd. wet excavation, 1000 lin.ft. rubble drain, 8420 sq.yd. 7-in. and 2000 sq.yd. 4-in. macadam or 10,400 sq.yd. gravel, 2000 lin.ft. telford, 270 lin.ft. corrugated iron pipe culverts.

Danbury Township: About 11,777 lin.ft. trap rock macadam, rocmac, gravel or concrete on Lake Ave. Estimated quantities, 7660 cu.yd. earth grading, 50 cu.yd. borrowed embankment, 800 cu.yd. rock excavation, 1400 lin.ft. rubble drain, 730 lin.ft. corrugated iron pipe culverts, 61 cu.yd. concrete; 20,940 sq.yd. gravel surfacing or 4070 cu.yd. concrete road or 20,940 sq.yd. rocmac surfacing; 3500 sq.yd. telford base. Specifications at Selectmen's office, Danbury.

Old Lyme Township: The construction of the abutments for an 80-ft. span bridge. Specifications at State Highway Commissioner's office, Hartford.

✝Hartford, Conn.—The contract for the construction of a section of trap rock macadam road on the Cromwell-Berlin Road has been awarded to STAFFORD & MATHER, Hartford, at about $6592.

★Albany, N. Y.—(Official)—Bids will be received by John N. Carlisle, State Highway Comr., until 1 p.m., Oct. 30, for improving highways in various counties. For particulars, see advertisement under "Contracts to Be Let."

Syracuse, N. Y.—The Common Council has voted to pave East Raynor Ave. The approximate cost is $40,000.

★Bayonne, N. J.—(Official)—Bids will be received by William P. Lee, City Clk., until 8 p.m., Oct. 20, for improving Sixth St., from Broadway to Ave. A with sheet asphalt; for improving Fifth St. from Ave. A to Broadway; Eighth St. from Ave. A to Broadway, and Humphreys Ave. from Fifth to Seventh St., with bituminous concrete; for improving 16th St., between Broadway and Hudson Boulevard; 32d St., between Ave. A and Ave. E, with sheet asphalt. For further information see advertisement under "Contracts to Be Let."

Jersey City, N. J.—Bids will be received by the City Commissioners until Oct. 22 for improving Jackson Ave. from McAdoo to Fulton Ave. C. Van Keuren is City Engr.

The Boulevard Commissioners will receive bids until Oct. 19 for repaving Hudson Blvd., from Newark Ave., to the Paterson Plank Road, about five miles, with bituminous concrete pavement, laid on macadam. J. C. Sweeney is Clk. of the Comrs.

Kearney, N. J.—Bids will soon be received by the Town Council for paving Grove St. from Kearney to Highland Ave.

New Brunswick, N. J.—The Board of Freeholders has approved plans for the improvement of the second section of Woodbridge Ave., from Bonhamtown to Bloomfield's Corner.

✝Rahway, N. J.—The contract for paving Irving St. from Poplar St. to Milton Ave. and Milton Ave. from Pennsylvania R.R. arch to Main St. has been awarded to HASTINGS PAVING CO.

✝Mt. Union, Penn.—The contract for paving Shirley and Jefferson Sts. with brick has been awarded to the GREGORY PAVING CO., Lewistown, at $13,000.

Baltimore, Md.—Bids will be received by the Board of Awards, City Hall, at the City Register's Office, until Oct. 21, for grading, curbing and paving, with concrete blocks, on concrete base, Caroline St., from Thames to Pratt St., 16,500 sq.yd., under Contract No. 90; work under Contract 100 Exeter St., from Low to Gay St., Wolfe St., from Fell to Aliceanna St., Fell St., from Ann St. to waterfront, and Thames St., from Philpot St., to Broadway, 13,700 sq.yd. R. Keith Compton is Chn

✝Baltimore, Md.—The contract for improving Eastern Ave. by curbing and paving with asphalt has been awarded to P. FLANIGAN & SON, Baltimore, at $20,553.

Denton, Md.—The Caroline County Commissioners will receive bids, until Oct. 30, for the construction of State-aid highway, upon or along a section of Denton-Hillsboro Road; Hillsboro-New Bridge Road between Hillsboro and Stoney Road; also Bridgeton and Goldsboro; 1¼ miles including a 75-ft. steel concrete bridge. Owen G. Garey is Pres. of the Comrs.

✝Gate City, Va.—A contract for grading 14 miles of pike roads has been awarded to OLIVER & HILL, Maryville, Tenn., at approximately $50,000.

✝New Cumberland, W. Va.—A contract for constructing three miles of brick pavement has been awarded to FREDERICK ROBINSON.

Welch, W. Va.—The citizens of Big Creek Magisterial District, McDowell County, will vote, Nov. 3, on the proposition to issue $165,000 in bonds for road construction.

Dade City, Fla.—The citizens of Zephyrhills Township, Pasco County, have voted on the proposition to issue $30,000 in bonds for constructing approximately 15 miles of road.

Bay Minette, Ala.—The citizens of Baldwin County contemplate voting on the proposition to issue $250,000 in bonds to construct roads.

Birmingham, Ala.—The City Council contemplates paving Tenth Ave. from 26th to 28th St., with asphaltic concrete having 4-in. concrete base and 1½-in. wearing surface. The estimated cost is $8245. Julian Kendrick is City Engr.

Camden, Ala.—Bids will be received by the County Court until Nov. 2 for grading, draining and surfacing a section of the Camden and Millers Ferry Road. W. S. Keller is State Highway Engr.

Wedowee, Ala.—Bids will be received by Commissioners of Randolph County until Oct. 28, for improving the Wedowee and Roanoke Road. The estimated cost is $8000. W. S. Keeler, Montgomery, is State Highway Engr.

+Alexandria, La.—The City Council has awarded the contract to pave Lee St., from Slaughter House Bayou to the city limits to FRANK T. CONSTANT.

Whitesburg, Ky.—At an election to be held in November, the citizens of Letcher County will vote on the proposition to issue bonds for road construction.

Carrollton, Ohio—(Official)—Bids will be received by E. F. Lawler, Village Clk., until noon, Oct. 19, for improving a section of Main St.

Cleveland, Ohio—The Board of Control has authorized the paving of Jennings Road at a cost of $20,000.

Greenspring, Ohio—Bids will be received by the Town Clerk, until Oct. 20, for 8230 sq.yd. of paving. George Champe, 610 The Nasby, Toledo, Ohio, is Engr. in Charge.

+Mt. Gilead, Ohio—The contract for paving East Union St. and a section of West High St. has been awarded to WIELAND & MILLER at $10,000.

Toledo, Ohio—Bids will be received by the County Commissioners, until Oct. 27, for curbing and macadamizing Lockwood Ave., in Washington Township. Charles J. Sanzenbacher is County Audr.

Indiana—(Official)—Bids will be received as follows for road improvements in Indiana:

Lawrenceburg, until noon, Nov. 2, by the Commissioners of Dearborn County, for constructing roads in Lawrenceburg and Sparta Townships. W. S. Fagaly is Audr.

Salem, until Nov. 2, by the Commissioners of Washington County for constructing the Blunt Ferry Road in Gibson Township. F. S. Munkelt is Audr.

Greencastle, until 2 p.m., Nov. 2, by the Commissioners of Putnam County for constructing a stone road in Russell Township. C. L. Airhart is Audr.

Corydon, until 2 p.m., Nov. 4, by the Commissioners of Harrison County, for constructing a road in Harrison Township. J. L. O'Bannon is Audr.

Shelbyville, until 11 a.m., Nov. 4, by the Commissioners of Shelby County, for constructing gravel roads in Sugar Creek, Brandywine and Washington Townships and one on line between Washington and Shelby Townships. F. W. Fagel is Audr.

+Brownstown, Ind.—(Official)—A contract for constructing two roads in Driftwood Township has been awarded to JOHN SICKLER, Medora, Ind. Noted Sept. 17.

+Lawrenceburg, Ind.—(Official)—A contract for constructing a gravel road in Lawrenceburg Township has been awarded to NUGENT & HINES, Harrison, Ohio, at $30,500. The only other bid was that of Van Camp Bros., Newtonville, Ohio, at $30,570. Noted Sept. 17.

+Rochester, Ind.—(Official)—A contract for constructing a gravel road in Liberty Township has been awarded by the Commissioners of Fulton County to H. F. MACKEY, Marion, Ind., at $7397.

+Detroit, Mich.—(Official)—Contracts have been awarded for paving Philip Ave. to the DETROIT ASPHALT PAVING CO., at $17,183; Hendrie Ave. to J. W. HANLEY at $5556.

+Cairo, Ill.—(Official)—Bids will be received by the Board of Local Improvements until 11 a.m., Oct. 19, for street improvements in Paving District No. 1. For particulars see advertisement under "Contracts To Be Let."

+Decatur, Ill.—The contract for paving Jasper St. has been awarded by the Board of Local Improvements to McCALMAN CONSTRUCTION CO., Decatur, at $16,736.

Springfield, Ill.—(Official)—Bids will be received by the State Highway Commission until 11 a.m., Oct. 22, for constructing three roads in Fulton County. The estimated cost is $35,000. All cement to be furnished by the state.

+Muscatine, Iowa—The contract for paving Sect. N of the River to River Road has been awarded to C. L. GOCHANOUR, Grandview, Iowa, at $5023.

+Oskaloosa, Iowa—(Official)—A contract for grading, paving, curbing and guttering a number of streets has been awarded to the BURLINGTON CONSTRUCTION CO., Burlington, Iowa at approximately $31,000. Noted Oct. 1.

+Winfield, Kan.—A contract for paving 10 blocks with brick has been awarded to ELLIOTT & VANCE, Fredonia, at $1.49 per sq.yd. Other bids were E. F. Wilcox & Co., Kansas City, Kan., $1.86; T. B. Besler CO., Winfield, $1.63. Approximately 12,500 sq. yd. are to be paved.

Grand Island, Neb.—Bids will be received by H. F. Clifford, City Clk., until 8 p.m., Oct. 21, for paving in District No. 12.

+Conway, Ark.—A contract for street improvements in District No. 3 has been awarded to P. J. CONNOLLY, Little Rock, at $9000.

+Houston, Tex.—The contract for paving Crawford St. has been awarded to the EUREKA PAVING CO., Houston at $16,400.

Orange, Tex.—The citizens contemplate voting on the proposition to issue $25,000 in bonds, the proceeds of which will be used for street improvements.

Eugene, Ore.—The City Council has passed an ordinance for the improvement of Sixth Ave., West, from Olive to Blair St., by paving.

+Hoquiam, Wash.—The contract for constructing a section of the Riverdale Road has been awarded to GILLETTE CONSTRUCTION CO., at $7840.

Olympia, Wash.—The State Highway Commission will receive bids, until 2 p.m., Oct. 26, for surfacing with crushed rock about three miles of the Pacific Highway between Woodland and La Center, in Clarke County. W. Roy is Secy. of the Comn.

South Bend, Wash.—City has passed an ordinance providing for the paving of First St., from A to C, B St., from First to city limits, and A St., from First to Third.

+Corona, Calif.—The contract for macadamizing 11,000 lin. ft. on Sixth St. has been awarded to JOHNSON SHEA CO., Riverside, at $37,633. Other bids were, W. J. Brand, Riverside, $43,599; Easley Contracting Co., Corona, $38,915.

Huntington Beach, Calif.—Bids were received, Sept. 28, by the City Trustees for improving sections of 17th St. and Delaware Ave., as follows: M. L. Hubermann, Santa Ana, $24,11[illegible]; Pierson & Anderson, Venice, $24,742; M. M. McCombs, Los Angeles, $27,547.

+Los Angeles, Calif.—A contract for grading and concrete work in Road District No. 66 has been awarded to J. E. HALE DOCKS, 357 North Chester Ave., Pasadena, at $48,962.

+Stockton, Calif.—The contract for improving Weber Ave. has been awarded to CLARK & HENRY, Stockton, at $27,500.

Ottawa, Ont.—Bids will soon be received by the City Council for paving 1353 sq.yd. with wood block and constructing 820 lin.ft. of gutter. The estimated cost is $7000. F. C. Askwith is Engr.-in-Charge.

INDUSTRIAL WORKS

Franklin, Mass.—The Massachusetts Waste Co., will erect a factory at Franklin. The estimated cost is $75,000.

+Salem, Mass.—The contract for the construction of the factory for the Thermos Bottle Co., has been awarded to PATRICK CREEDON.

+Worcester, Mass.—The contract for constructing two buildings to the plant of the Graton & Knight Mfg. Co., 344 Franklin St., has been awarded to GEORGE A. FULLER CO., Boston, Mass., and New York, at $125,000.

+Bridgeport, Conn.—The contract for constructing the addition to the plant of the Union Metallic Cartridge Co. has been awarded to T. J. PARDY CONSTRUCTION CO.

New York, N. Y.—(Borough of Brooklyn)—The Peter Cooper Glue Co. will rebuild its factory at Maspeth and Gardner Aves., Williamsburg.

New York, N. Y.—(Borough of Brooklyn)—T. H. Englehardt, Arch., 904 Broadway, will receive bids for alterations to the brewery at Livery and Georgia Aves., for Piel Bros. The estimated cost is $10,000.

+Seneca Falls, N. Y.—The contract for the construction of the buildings for Rumsey & Co., pump manufacturers, has been awarded to ALEXANDER, SHUMWAY & UTZ CO., Rochester, N. Y. Noted Sept. 3.

+Syracuse, N. Y.—The contract for the construction of a factory buildings for the New Process Gear Corporation, has been awarded to R. W. HOWSE CONSTRUCTION CO., 405 West 40th St., New York. Noted Aug. 27.

Philadelphia, Penn.—Bids will be received until Oct. 19, by Watson & Huckle, Archs., 1211 Walnut St., for the construction of a two-story brick 30x200-ft. factory for the Hess Bright Mfg. Co. Noted Oct. 1.

+Pittsburgh, Penn.—The contract for constructing the garage at 1443 Shady Ave. for Frank Minnemeyer, has been awarded to J. G. FULLMAN, Eastend Trust Bldg. at $25,000.

Newport News, Va.—Bids will be received by Frank School, Arch., Norfolk, Va., for the construction of the plant for the Newport News Fish & Ice Co. The estimated cost is $60,000.

+Waycross, Ga.—The contract for constructing the warehouse for the Waycross Warehouse Co., has been awarded to V. C. PARKER.

+Jacksonville, Fla.—The contract for the construction of a storage building for the Atlantic Coast Line Ry. has been awarded to E. W. PARKER, Curry Bldg. The estimated cost is $45,000.

Birmingham, Ala.—The North State Engineering & Construction Co. will erect an ice plant on Ave A. The estimated cost is $75,000.

North Birmingham, Ala.—The North Birmingham Packing Co. will remodel its ice plant. The estimated cost is $65,000.

New Orleans, La.—The Export Oil Corporation will build a plant, including tanks, refiner and pipe line. The estimated cost is $1,500,000.

Cincinnati, Ohio—The D. T. Williams Valve Co. plans the construction of an addition to its plant on Spring Grove Ave., Cincinnati. Robert E. Mullane is Pres.

+Cleveland, Ohio—The contract for the construction of a warehouse for the White Automobile Co., St. Clair Ave., Cleveland, has been awarded to the REAUGH CONSTRUCTION CO., 2835 East 51st St., Cleveland. Estimated cost, $40,000.

+The contract for the construction of a three-story factory, 75x150 ft., has been awarded to FRANK LUKAS, 5733 Broadway, Cleveland, for George T. Bander, 525 Williamson Bldg., Cleveland. Estimated cost, $60,000.

+The contract for the construction of a three-story factory, has been awarded to CROWELL-LUNDOFF-LITTLE CO., 1951 East 57th St., Cleveland, for K. W. Ignition Co., 2813 Chester Ave., Cleveland. Estimated cost, $20,000.

+The contract for the construction of a three-story factory, 120x140 ft., has been awarded to FATH CONSTRUCTION CO., 4403 Perkins Ave., Cleveland, for the Kaynee Co., 6925 Ætna Road, Cleveland. Estimated cost, $60,000.

+Geneva, Ohio—The contract for the construction of a warehouse, 40x140 ft., has been awarded to C. J. SWEET & SON, Geneva, for the Geneva Metal Wheel Co.

+Parral, Ohio—The contract for the construction of a factory for the Robinson Clay Products Co., 1010 N. Market St., Akron, Ohio, has been awarded to McCLINTIC-MARSHALL CO., Oliver Bldg., Pittsburgh, Penn. Estimated cost, $100,000.

+St. Charles (Okeana post office), **Ohio**—The BELLEFONTAINE BRIDGE & STEEL CO., Bellefontaine, has received the contract for the construction of two factories for the St. Marys Machine Co., St. Marys, Ohio.

Denmark, Wis.—Plans are being prepared by Foeller & Schober, Arch., Fox Block, Green Bay, for the construction of a two-story creamery, 60x100 ft., for the Denmark Condensed Milk Co., Denmark. Estimated cost, $10,000.

Racine, Wis.—Plans for the construction of a three-story warehouse, 34x60 ft., are being prepared by C. H. Tharinger, Arch., 2324 State St., Milwaukee. Estimated cost, $25,000.

Chinook, Mont.—Plans have been completed for the construction of a packing plant to be erected by the Chinook Packing Co.

Houston, Tex.—Bids will be received until 2 p.m., Oct. 26, at the office of the City Secretary, for the construction of a one-story reinforced-concrete warehouse, 100x1200 ft., on the Houston Ship Channel. Estimated cost, $300,000.

Edmonds, Wash.—Plans are being prepared by H. Bundy and F. H. Watson, Edmonds, for the construction of a box factory.

Seattle, Wash.—The following bids were submitted to the Port of Seattle Commission for the construction of a cold storage warehouse: Pearson Construction Co., $165,895; Butler Construction Co., $188,800; $189,600 (alternate bid); Hans Pederson, $165,475.

Sumas, Wash.—M. Leavly, Supt. of the South Sumas, B. C. Creamery, contemplates the construction of a cheese factory at Sumas. Estimated cost, $10,000.

Vancouver, B. C.—The Dominion Shipbuilding & Dry Dock Co., Ltd., 14 Canada Life Bldg., Vancouver, is having plans prepared for another unit of the shipbuilding plant at Lynn Creek. The estimated cost is $5,000,000.

FEDERAL GOVERNMENT WORK

Post Office—Narragansett Pier, R. I.—The following bids were received on Oct. 7 by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, for the construction of the U. S. public building at Narragansett Pier; (a) limestone, (b) sandstone; Charles McCall Co., Philadelphia, Penn., (a) $48,980; (b) $49,500. James A. Monroe, North Attleboro, Mass., (a) $51,834; (b) $52,300. Thomas W. Cissell, Wooster, Ohio, (a) $54,950; (b) $57,900. W. H. Fissell & Co., New York, N. Y., (a) $51,734; (b) $54,734. E. T. Abbott Construction Co., New York, N. Y., (a) $49,675; (b) $50,800. William H. Egan, New York, N. Y., (a) $52,101; (b) $52,637. Harry Wehmeyer, Philadelphia, Penn., (a) $58,182; (b) $58,832. Hope Building Co., Providence, R. I., (a) $57,500; (b) $58,100. William Werner, New York, N. Y. (a) $57,450; (b) $58,450. Westchester Engineering Co., White Plains, N. Y., (a) $48,975; (b) $51,000. Noted Sept. 3.

✚Paving—New York, N. Y.—(Borough of Brooklyn)—The contract for wood block and granite paving in the New York navy yard, has been awarded to MACK BROS., 512 Broadway, New York, N. Y., at about $16,000. Noted Aug. 20, and Sept. 10.

Ventilating Apparatus—Rochester, N. Y.—Bids will be received until 3 p.m., Oct. 22, by the Custodian, Public Bldg., for installing ventilating apparatus.

✚Locomotive Cranes—Philadelphia, Penn.—(Official)—The contract for furnishing four steam operated revolving locomotive cranes for the government has been awarded to the LINK-BELT CO., Chicago, Ill. Three of these cranes will be used at the Philadelphia navy yard and the fourth at Charleston, S. C. Noted Sept. 2 and Sept. 17.

★Lock Gates—Pittsburgh, Penn.—(Official)—The following are the bids received by Lieut.-Col. Francis R. Shunk, Corps Engrs., U. S. A., for furnishing and erecting steel lock gates, valves and lock-operating machinery at Lock 4, Monongahela River, (a) Section A, (b) Section B, (c) total: Union Foundry & Machine Co., Pittsburgh, Penn., (a) $9814; (b) $13,808; (c) $23,623. Poole Engineering & Machine Co., Pittsburgh, Penn., (a) $8500; (c) $8500. Whitehead & Kales Iron Works, Detroit, Mich., (a) $14,177; (b) $16,367; (c) $30,544. Lawrence D. Weaning, c/o Variety Iron Works Co., Cleveland, Ohio, (a) $11,815; (b) $15,169; (c) $26,984. Summerfeld Machine & Mfg. Co., Pittsburgh, Penn., (a) $10,375; H. P. Gazzam Machine Co., Pittsburgh, Penn., (a) $7289; Simonds Mfg. Co., Pittsburgh, Penn., (a) $12,203; Braddock Machine & Mfg. Co., Braddock, Penn., (a) $9390; Pittsburgh Valve Foundry & Construction Co., Pittsburgh, Penn., (a) $10,500; Thomas Carlin's Sons Co., Pittsburgh, Penn., (a) $7900; Taylor-Wilson Mfg. Co., McKees Rocks, Penn., (a) $10,700; Rosedale Foundry & Machine Co., Pittsburgh, Penn., (a) $11,345; Penn Bridge Co., Beaver Falls, Penn., (a) $9940; (b) $14,900; J. & J. B. Milholland Co., Pittsburgh, Penn., (a) $7495; Independent Bridge Co., Pittsburgh, Penn., (b) $14,750. Noted Sept. 10.

Repairing Vessel—Baltimore, Md.—Bids will be received by the Light House Inspector, Baltimore, until 2 p.m., Oct. 20, for repairing the tender "Jessamine."

Repairs to Appraisers Stores—Baltimore, Md.—The following bids were received by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for making repairs to mechanical equipment and construction changes at the U. S. Appraisers Stores, Baltimore: Newport Contracting & Engineering Co., Newport News, Va., $6589; Bloomenthal-Kahn Electric Co., Baltimore, Md., $7400; Grohne Contracting Co., Joliet, Ill., $6644; Electromechanical Co., Baltimore, Md., $10,154; George W. Walther & Co., Baltimore, Md., $7800; Riggs, Distalar & Springer, Inc., Baltimore, Md., $8456.

✚Road Work—Washington, D. C.—The contract for constructing the road from Highway Bridge to Arlington, Va., has been awarded to L. M. JOHNSON, at $8197. Noted Oct. 1.

Skylights—Washington, D. C.—The Secretary of the Interior, Washington, D. C., has rejected all bids received for installing skylights on the Patent Office Bldg., Washington. Noted Oct. 1.

Hospitals—Washington, D. C.—Bids will be received by Cato Sells, Comr., Dept., of the Interior, office of Indian Affairs, Washington, until 2 p.m., Nov. 3, for the construction of frame hospitals at the Indian agencies at Pima and San Xavier, Ariz.; Carson, Nev.; Mescalero, N. M.; Turtle Mountain, N. D., and Blackfoot, Mont. Additional information may be obtained from the superintendents of Indian schools as follows: Pima school, Sacaton, Ariz.; San Xavier school, Tucson, Ariz.; Carson school, Stewart, Nev.; Mescalero school, Mescalero, N. M.; Turtle Mountain school, Belcourt, N. D., and Blackfeet school, Browning, Mont.

Sewers—Washington, D. C.—(Official)—The following are the bids received by the Commissioners of the District for sewer construction as follows: For constructing 930 lin.ft. of 3 ft. diameter, brick and concrete sewer, in Varnum St., N. W., as follows: (a) ordinary excavation; (b) concrete masonry; (c) vitrified brick masonry; (d) sewer brick masonry; prices per cu.yd. William F. Cush, Washington, D. C., (a) $1.10; (b) $7.25; (c) $21; (d) 14. Warren F. Brennizer Construction Co., Washington, D. C., (a) $0.60; (b) $6.50; (c) $20; (d) $12. M. O'Herron & Son, Baltimore, Md., (a) $1.25; (b) $8; (c) $20; (d) $15. Whiting-Turner Construction Co., Baltimore, Md., (a) $1; (b) $10.60; (c) $22.50; (d) $14. George Hyman, Washington, D. C., (a) $0.80; (b) $8; (c) $20; (d) $14.

For constructing, in 14th St., N. W., 1360 lin.ft. brick and concrete sewer, 2¼x3 ft., as follows: (a) ordinary excavation; (b) concrete masonry; (c) vitrified brick; (d) sewer brick, prices per cu.yd. William F. Cush, Washington, D. C., (a) $0.46; (b) $7; (c) $20.50; (d) $13.50. James W. Bean, Washington, D. C., (a) $0.60; (b) $6.50; (c) $21; (d) $14. W. F. Brennizer Construction Co., Washington, D. C., (a) $0.55; (b) $6.75; (c) $21; (d) $12. Whiting-Turner Construction Co., (a) $1.49; (b) $6.50; (c) $21.50; (d) $13. M. O'Herron & Son, Baltimore, Md., (a) $1.20; (b) $8; (c) $20; (d) $15. George Hyman, Washington, D. C., (a) $0.50; (b) $6.75; (c) $19; (d) $14.

For constructing in T St., N. W., 980 lin.ft. of 3 ft. diameter brick and concrete sewer and 1465 lin.ft. of brick and concrete sewer, 2½x3 ft., as follows: (a) ordinary excavation; (b) concrete masonry; (c) vitrified brick masonry; (d) sewer brick masonry. William F. Cush, Washington, D. C., (a) $0.56; (b) $6.65; (c) $21; (d) $13. Jas. W. Bean, Washington, D. C., (a) $0.50; (b) $5.98; (c) $20; (d) $13. W. F. Brennizer Construction Co., Washington, D. C., (a) $0.60; (b) $5.70; (c) $20; (d) $13. M. O'Herron & Son, Baltimore, Md., (a) $1.15; (b) $7.50; (c) $20; (d) $15. Whiting-Turner Construction Co., Baltimore, Md., (a) $1.22; (b) $7.49; (c) $22.50; (d) $13. George Hyman, Washington, D. C., (a) $0.50; (b) $6.50; (c) $19; (d) $14.

For constructing in 16th St. and in Upshur St., N. W., 1500 lin.ft. of 3 ft. diameter, brick and concrete sewer, as follows: (a) ordinary excavation; (b) concrete masonry; (c) vitrified brick masonry; (d) sewer brick masonry; prices per cu.yd. William F. Cush, Washington, D. C., (a) $0.44; (b) $7; (c) $21; (d) $13.50. M. O'Herron & Son, Baltimore, Md., (a) $1.20; (b) $8; (c) $20; (d) $15. W. F. Brennizer Construction Co., Washington, D. C., (a) $0.55; (b) $6.75; (c) $20; (d) $12. James W. Bean, Washington, D. C., (a) $0.65; (b) $6.50; (c) $21; (d) $14. Whiting-Turner Construction Co., Baltimore, Md., (a) $1.18; (b) $8.30; (c) $22.50; (d) $14. George Hyman, Washington, D. C., (a) $0.45; (b) $6.75; (c) $19; (d) $14.

★Track-Scale Testing Equipment—Washington, D. C.—Bids will be received at the office of the Bureau of Standards, Department of Commerce, Washington, D. C., until 2 p.m., Nov. 19, for furnishing a railroad track-scale testing equipment built along the same general lines as the one now in use by the Bureau.

✚School—Washington, D. C.—(Official)—The contract for constructing the Central High School has been awarded to WILLIAM DALL & CO., Cleveland, Ohio. A stadium will also be constructed.

Repairs To Roof—National Soldiers' Home, Va.,—Bids will be received until 1:30 p.m., Oct. 23, by F. E. Skinner, Treas., Southern Branch, N. H. D. V. S., for making repairs to the roof.

✚Dredging—Wilmington, N. C.—The contract for dredging in the waterway from Core Sound to Beaufort Harbor, N. C. has been awarded to the SAM DREDGING & CONSTRUCTION CO., Philadelphia, Penn., at $24,000. Noted Aug. 27.

✚Locomotive Cranes—Charleston, S. C.—See item under Philadelphia, Penn.

✚Breakwater—Indiana Harbor, Ind.—The contract for the construction of a rubble mound breakwater at Indiana Harbor has been awarded to the GREAT LAKES DREDGE & DOCK CO., Chicago, Ill., at $180,000. Noted Sept. 3 and Oct. 8.

✚Post Office—Holland, Mich.—The contract for the construction of the U. S. post office at Holland, has been awarded to GEORGE W. STILES CONSTRUCTION CO., Rookery Bldg., Chicago, Ill., at $65,138. Noted July 30 and Sept. 17.

✚Post Office—McPherson, Kan.—The contract for constructing the U. S. post office at McPherson, has been awarded to HIRAM LLOYD BUILDING & CONSTRUCTION CO., St. Louis, Mo., at $43,366.

✚Post Office—Excelsior Springs, Mo.—The contract for constructing the post office at Excelsior Springs, has been awarded to J. H. WIESE CO., Omaha, Neb., at $46,370.

★Canal Work—Provo, Utah—(Official)—Bids for constructing sections of the High Line Canal will be opened at 2 p.m., Nov. 16, and not on Nov. 15, as noted in issue of Oct. 8.

Cement—Seattle, Wash.—Bids will be received until 3 p.m., Oct. 19, by Col. George B. Davis, Depot Quartermaster, for furnishing and delivering at Seattle, Wash., and at Honolulu, 14,000 bbl. of American portland cement.

✚Lumber—Seattle, Wash.—(Official)—The contract for furnishing about 506,333 ft. b.m., of lumber has been awarded to the ROBERT DOLLAR CO., San Francisco, Calif., at $10,633, c.i.f. ship's tackle, Manila, P. I. Other bids were f.o.b. Seattle, Bolcom Mills Inc., Seattle, $5822; St. Paul & Tacoma Lumber Co., Seattle, $5012; Swayne & Hoyt Inc., Seattle, $4886; A. B. Field & Co., Seattle, $4936; Charles Nelson Co., Seattle, $5012. Noted Sept. 17.

✚Quay Wall—Mare Island, Calif. (Vallejo post office)—The contract for pile and lumber work for reconstructing the quay at the navy yard, Mare Island, has been awarded to THOMPSON BRIDGE VO., San Francisco, at $20,534. Noted Oct. 1.

Vault Equipment—San Francisco, Calif.—Bids were received by Oscar Wenderoth, Superv. Arch., Washington, D. C., for installing metal vault equipment in the U. S. subtreasury at San Francisco, from the York Safe & Lock Co., York, Penn., at $5135 and the Hermann Safe Co., San Francisco, at $3591. Noted Sept. 27.

Cement—San Francisco, Calif.—Bids will be received by W. H. Hart, Depot Quartermaster, 1086 North Point St., San Francisco, until 3 p.m., Oct. 19, for furnishing 14,000 bbl. of cement.

✚Coal-Hoisting Tower—San Diego, Calif.—The contract for constructing the coal hoisting tower at the naval coast depot, San Diego, has been awarded to the McMYLER INTERSTATE CO., Bedford, Ohio, $35,400. Noted July 30 and Sept. 3.

Miscellaneous—Panama—Bids will be received by Maj. F. C. Boggs, Gen. Pur. officer, of the Panama Canal Comn., Washington, D. C., until Oct. 31, for furnishing electrical material, files, sheet copper, steam suction and water hose, wire nails, aluminum paint, lampblack in oil, white lead in oil, chloride of lime, lard oil, linseed oil, burnt sienna, liquid coal tar, turpentine, imitation damar varnish, rubbing varnish, white dry zinc, white zinc in oil, copper tacks, sheet zinc, round steel and steel angles.

Fuel Oil—Panama—Bids will soon be received by the Purchasing Officer for furnishing about 6,000,000 bbl. of fuel oil. This amount is the estimated quantity needed for the year ending Dec. 31, 1915.

Steel Rails, Etc.—Panama—Bids will be received by Maj. F. C. Boggs, Gen. Pur. officer of the Panama Canal Comn., Washington, D. C., until 10:30 a.m., Oct. 19, for furnishing steel rails, etc.

✚Steel—Philippine Islands—(Official)—The contract for furnishing structural steel for the Philippine Islands has been awarded to U. S. STEEL EXPORT CO., at $5991. Noted Sept. 17 and Oct. 1.

MISCELLANEOUS

Breakwater—Boston, Mass.—Bids will be asked soon by the Directors of the Port for the construction of 1100 ft. of breakwater at South Boston for the protection of the fish pier. The estimated cost is $20,000. Frank W. Hodgdon, 40 Cathedral St. is Ch. Engr.

Pavilion and Tunnel—Boston, Mass.—The following bids were received by the City Hospital Trustees for the construction of a pavilion and tunnel at Harrison Ave. and Northampton St. for the City Hospital: Horton & Hemenway, $232,481; Whiton & Haynes Co., $233,000; William Crane, $248,999; Marr Bros. & Stewart Co., $259,192; Michael Meehan, $277,000. Noted Oct. 1.

✚Elevators—Worcester, Mass.—The contract for the installation of two passenger and three freight elevators in the Osgood Bradley Bldg., Grafton and Franklin Sts., has been awarded to the OTIS ELEVATOR CO., Worcester, at $20,000.

★Barge Canal Work—Albany, N. Y.—(Official)—Bids will be received until Nov. 10, by Duncan W. Peck, State Supt. of Pub. Wks., for Contract G, Cayuga and Seneca Canal—furnishing and erecting the lock gates, lock valves and buffer beams for Locks 2, 3 and 4; needle beam for the spillway in Dam 2; superstructure for the Taintor gates at Waterloo; guard gates at Locks 3 and 4 and over the old canal at Waterloo. Engineers estimate, $119,809.

Barge Canal Work—Albany, N. Y.—Bids will be received by Duncan W. Peck, State Supt. of Pub. Wks., until noon, Nov. 5, for Contract No. 10-C, Oswego Canal, Section 1, calling for filling portions of the abandoned Oswego Canal and the removal of a bridge over the abandoned canal at Oneida St., Fulton, N. Y. Engineer's estimate, $56,737.

Bids will also be received, until noon, Oct. 20, for Contract 23-B, for completing the approaches to the South Ave. bridge at Station 2256 on site of Contract No. 23, Town of Brighton, Monroe County, N. Y. Engineer's estimate, $5800.

Subway—New York, N. Y.—(Borough of Manhattan)—Bids were received by the Public Service Commission, Oct. 9, for the construction of Section 1, Route 48, a part of the Seventh Ave.-Lexington Ave., rapid transit system: The following are the unofficial totals: F. L. Cranford Inc., $1,575,000; Degnon Contracting Co., $1,714,000; Smith, Hauser & McIsaac, Inc., $1,886,000; Holbrook, Cabot & Rollins Corporation, $1,967,000; Oscar Daniels Co., $1,975,632; Underpinning & Foundation Co., $2,048,000; Rapid Transit Subway Construction Co., $2,250,000. Noted Sept. 24.

✚Subway—New York, N. Y.—(Borough of Manhattan)—(Official)—The Public Service Commission has awarded the contract, to the RAPID TRANSIT CONSTRUCTION CO., at $3,079,312, for the construction of the subway section ,connecting the Lexington Ave. line with the present Fourth Ave. line. Noted Sept. 17, list of bidders, Oct. 8.

✚Subway Work—New York, N. Y.—(Borough of Brooklyn)—(Official)—The Public Service Commission has approved the award by the New York Municipal Ry. Corporation, to the THOMAS CRIMMINS CONTRACTING CO., at $197,442, for the installation of the third rail, etc., in the Fourth Ave. subway, Brooklyn, between Manhattan Bridge and 86th St.

✚Elevated Railway Work—New York, N. Y.—(Borough of Brooklyn)—(Official)—The Public Service Commission has approved the award of the contract to the TERRY & TENCH CO., INC., at $321,305, for the construction of additional tracks on the Broadway elevated railroad between Havemeyer St. and Myrtle Ave.

Roof Repairs—New York, N. Y.—(Borough of Manhattan)—(Official)—The following bids were received by John A. Kingsbury, Comr., Dept. Pub. Charities, Item 1, laying new tin roof and repairing slate and metal work on the Metropolitan Hospital, Blackwells Island; Item 2, laying new tin roof and repairing slate and metal work on the T. & S. Bldg., Blackwells Island: Quality Sheet Metal Works, (1) $4561, (2) $2354; M. D. Lundin, (1) $5190, (2) $2384; B. Dramond, (1) $5250, (2) $2350; Anchor Corrugating Construction Co., (1) $5264, (2) $2084; C. L. Dooley, Inc., (1) $5322, (2) $2245; Thomas E. O'Brien, Inc., (1) $6194, (2) $2249; Hartel & Davies, (1) $6634, (2) $2374; Harry Klein, (1) $5984, (2) $2719.

✚Coal Pocket and Dock—New York, N. Y.—(Borough of Manhattan)—(Official)—The Weber-McLaughlin Coal Co. has awarded the general contract for the construction of a four-cylinder reinforced-concrete coal pocket and dock, to the GENERAL CONTRACTING & ENGINEERING CO., 29 Broadway, New York.

Filling and Grading—Trenton, N. J.—The National Dredging & Lighterage Co., Philadelphia, submitted the lowest bid at $18,490, for the filling of the Lamberton St. Parkway between the Trenton Yacht Club and the city line. The same company was also low bidder at $34,000 for filling and grading at the site of the sewage and disposal plant below Riverview Cemetery.

★Pumping Station—Charlotte, N. C.—(Official)—Bids will be received, until Oct. 26, for excavating, piling, furnishing of material and building foundations and pumping station for the Lake Mattamuskeet Drainage District, Hyde County, N. C. For details see advertisement under "Contracts To Be Let."

Dredging—Savannah, Ga.—The city contemplates deepening the Ogeechee Canal. Estimated cost, $50,000 to $60,000. E. R. Conant is Ch. Engr. R. J. Davant is Mayor.

Drainage—Gretna, La.—Jefferson County Fourth Drainage District has voted $24,000 in bonds to provide for the construction of a drainage system in Sub-Drainage District No. 2. A. H. Ahten is Pres. of Comrs. Noted Sept. 28.

Drainage—Lottie, La.—Bids will be received, until Nov. 1, by the Slidell Drainage District Supervisors for draining 17,000 acres in Point Coupee parish, 25 miles east of Baton Rouge; constructing main canal, 5 miles long and three laterals 3 miles long. The estimated cost is $20,000, dredgeboat construction.

Levees—New Orleans, La.—The Board of State Engineers is preparing plans and specifications for 271,000 cu.yd. of levee protection in various parts of the state. Contracts will be let the latter part of Oct.

✚Levee Work—New Orleans, La.—The State Board of Engineers has awarded the following contracts for levee construction: Waterproof front levee, Tensas parish, 45,000 cu.yd., and Ferriday front levee, Concordia parish, 40,000 cu.yd., to JUNKEN BROS.; St. Joseph front levee, Tensas parish, 35,000 cu.yd., to ROBERT NICHOLSON; Junior levee, Plaquemines parish, new levee and wooden revetment 1070 ft., to W. E. GIVEN; lowest bid submitted for Caernarvon levee, Plaquemines parish, by Lyon & Adams.

✚Concrete Tunnel Work—Pulaski, Tenn.—The Louisville & Nashville R.R. has awarded the contract for lining a double track tunnel near this city, to MEACHAM CONSTRUCTION CO., Hopkinsville, Ky. 10,000 cu.yd. of concrete will be used.

✚Drainage—Jackson, Tenn.—Madison County Drainage District No. 2 has awarded the contract to D. W. ROBINS, Tupelo, Miss., for the construction of an 18-mile drainage canal, 35 ft. wide and 8 ft. deep. Noted June 11, July 9, Sept. 24.

Coal Handling Plant and Dock—Toledo, Ohio—It is reported that the Cincinnati, Hamilton & Dayton R.R. Co., plans to install a coal hoisting plant and the enlarging of its docks.

Fire Alarm and Police Signal System—Youngstown, Ohio—The City Council has passed an ordinance to issue $18,000 in bonds for purchasing and installing a new fire and police signal system.

Dredging—Kokomo, Ind.—(Official)—The Board of County Commissioners, E. B. Swift, Audr., will receive bids, until Oct. 19, for dredging a channel in Wild Cat Creek, near the McCann St. Bridge.

Deep Waterway—Chicago, Ill.—The Board of Supervising Engineers which has been investigating the proposed construction of a Lakes-to-Gulf deep waterway, has made its report. The plan recommended calls for the construction of a water course from Chicago to the Illinois River at La Salle. The estimated cost of the project is $3,075,000.

Drain—Manson, Iowa—The final survey for the Cedar Joint drain is being completed by engineers, J. J. Moore and Simon Moeler. The main branch will be 20 miles long. The estimated cost is $200,000.

✚Ditch—Webster City, Iowa—Contracts for the construction of the Peterson ditch were awarded as follows: (Tile) NATIONAL SEWER PIPE CO., Webster City at $22,000; (Excavation) EVANS & HOWARD, St. Louis, at $16,800; (Labor) OLKEN & SWEAZY, Webster City, at $18,000.

Drainage—Wichita, Kan.—The City Council has adopted an ordinance for the extension of the Wichita Drainage Canal from the city limits to the Arkansas River.

Subway—Glendive, Mont.—The Northern Pacific Ry. Co., has had plans prepared for the construction of a 16-ft. pedestrian subway under its tracks at Power St. The estimated cost is $15,000.

Drainage—Mexico, Mo.—The Riverlands Levee District plans to drain 9000 acres north of Louisiana. The estimated cost is $150,000.

Stadium—Little Rock, Ark.—The Board of Trade School and College Athletic Committee plan to construct a stadium in West End Park. The estimated cost is $20,000.

Levee—Scanlon, Ark.—R. H. and G. A. McWilliams, 1122 Exchange Bldg., Memphis, Tenn., will receive bids for 12,000 cu.yd. of levee enlargement near Scanlon.

Bulkhead, Warehouse and Wharf—Houston, Tex.—Bids will be received, until Oct. 26, at the office of the City Secretary for the construction of a creosoted timber bulkhead, 1500 ft. long, one-story, 100x1200 ft. reinforced-concrete warehouse and a 1500-ft. timber wharf on creosoted piles. The estimated cost is $300,000. Specifications are on file at the office of E. E. Sands, City Engr. Noted Oct. 8.

Fire Alarm System—Dinuba, Calif.—The Board of Trustees plans to install a fire alarm system.

Drainage and Reclaimation—Lenore, Calif.—The Summit Lake Investment Co., Griffin-McKenzie Bldg., Fresno, Calif., plans to do extensive reclaimation and canal work on the Laguna de Tache Rancho lands near Lenore. The estimated cost is $150,000. A. C. Cranor of the Land Dept., will be in charge of the project.

✚Elevators—Los Angeles, Calif.—The J. W. Robinson Co., has awarded the contract to the OTIS ELEVATOR CO., at $72,060 for furnishing and installing 8 passenger elevators, one service elevator and two dump waiters, in its new mercantile building at Seventh St. and Grand Ave.

Drainage and Levees—Marysville, Calif.—Property owners in Drainage District No. 10 have voted $100,000 in bonds for raising levees and improving the drainage system.

✚**Cement**—San Diego, Calif.—The Superintendent of the Department of Finance has awarded the contract to the UNION LIME CO., Los Angeles, at $2.19 per bbl. less 10c. for return of sacks, for furnishing 5000 bbl. of cement for conduit work on the water system.

Seawall—San Francisco, Calif.—The city contemplates building a seawall from Jones to Larkin St. M. M. O'Shaughnessy is City Engr.

Tunnel—San Francisco, Calif.—(Official)—The one bid submitted Sept. 30 for the construction of the Twin Peaks Tunnel was that of Erickson & Petterson, San Francisco, at $3,475,300. The contract will be awarded to this firm. Noted May 21, June 18, July 9 and Sept. 24.

Drydock and Shipbuilding Plant—Prince Rupert, B. C.—The President of the Grand Trunk Ry. has announced that the company has had plans prepared for the construction of a drydock, large enough to accommodate a 20,000-ton battleship, also a complete shipbuilding plant.

BUILDINGS

Boston, Mass.—F. A. Norcross, Arch., 46 Cornhill St., has prepared plans for a five-story 70x80-ft. studio building at 491 Huntington Ave. The estimated cost is $80,000.

✚The contract for the construction of the Christian Science Church at Elm Hill Ave. and Waumbeck St., has been awarded to NORCROSS BROS. CO., Worcester, Mass.

Worcester, Mass.—Edwin T. Chapin, Arch., State Mutual Bldg., is preparing plans for the construction of a four-story brick mercantile building at Harding and Cherry Sts. for Jacob H. Asher.

Greenwich, Conn.—Carrere & Hastings, Archs., 225 Fifth Ave., New York, N. Y., are preparing plans for the three-story brick and steel hospital for the Greenwich Hospital Association. The estimated cost is $250,000.

Norwalk, Conn.—Plans have been completed by Philip N. Sunderland, Arch., 81 West St., Danbury, Conn., for the construction of a two-story, 63x105-ft. school, on Cedar St.

Binghamton, N. Y.—Lewis F. Pilcher, Arch., Capitol, Albany, N. Y., has completed plans for the three-story brick and stone parent's building at the Binghamton State Hospital. The estimated cost is $225,000. J. H. B. Hanify is Secy.

★**Farmingdale, N. Y.**—Bids will be received until 10 a.m., Oct. 22, by A. A. Johnson, Acting Secy., Board of Trustees, State School of Agriculture on Long Island, 30 Lafayette Ave., Brooklyn, for constructing, heating, plumbing and electric work for dormitory at the New York State School of Agriculture on Long Island, near Farmingdale, New York. Lewis F. Pilcher is State Arch., Capitol, Albany, N. Y. For further information see advertisement under "Contracts To Be Let."

New York, N. Y.—(Borough of Bronx)—Bids will be received until 3 p.m., Oct. 19, by C. B. J. Snyder, Supt. School Buildings, Park Ave. and 59th St., for an addition to school No. 12, Frisby and Benson Aves.

New York, N. Y.—(Borough of Bronx)—Lewis Allen Abramson, Arch., 220 Fifth Ave., has prepared plans for the hospital to be erected at Charlotte St. and Crotona Park East. The estimated cost is $200,000.

(Borough of Manhattan)—Plans are being prepared by Gronenburg & Leuchlag, Archs., 303 Fifth Ave., for a six-story apartment house at 114th St. and Seventh Ave., for the 114th St. and Seventh Ave. Construction Co. The estimated cost is $150,000.

The Murray Hill Investing Co. will erect an 11-story commercial building at Fifth Ave. and 37th St. The estimated cost is $1,500,000. Warren & Wetmore, 16 East 47th St., are the Archs.

✚The general contract for constructing the Women's Hospital at 109th St. and Amsterdam Ave., has been awarded to ISAAC S. ROSSELL, 1 Madison Ave., New York. The estimated cost is $100,000.

Plans have been filed by George P. Pelham, Arch., 30 East 42d St., for the 11-story apartment house to be erected at Riverside Drive and 149th St., for the West Side Construction Co. The estimated cost is $425,000.

The Grand Rapids Furniture Co. will erect a ten-story commercial building at 18 East 50th St.

Rochester, N. Y.—J. H. Oberlies, Arch., 838 Granite Bldg., has completed plans for the construction of a three-story and basement high school on Lake Ave. The estimated cost is $150,000.

Syracuse, N. Y.—Plans are being prepared by Taber & Baxter, Archs., Gurney Bldg., Syracuse, N. Y., for the construction of an eight-story hotel at South Salina and West Adams Sts. for the Syracuse Co. The estimated cost is $300,000.

Yonkers, N. Y.—Plans have been prepared by Beersman & Vollmer, 244 Fifth Ave., New York, for the construction of a four-story masonic temple at Guion St. and South Broadway. The estimated cost is $70,000.

✚**Jersey City, N. J.**—The contract for the construction of the school for St. John's Church, on Hudson County Blvd., has been awarded to MICHAEL T. CONNELLY CONTRACTING CO., 238-17th St., Jersey City, N. J., at $145,000.

✚**Newark, N. J.**—Contracts for the construction of an addition to the 13th Ave., school have been awarded as follows: Masonry, REYNOLDS CONSTRUCTION CO., $52,850; steel and iron, HEDDEN IRON CONSTRUCTION CO., $11,605; heating and ventilating, E. G. WOOLFOLK & CO., Inc., $14,777.

West Hoboken, N. J.—Hensel & Ware, Archs., 246 Summit Ave., West Hoboken, are preparing plans for the construction of a school for St. Joseph's Catholic Church. The estimated cost is $70,000.

Bellefonte, Penn.—John T. Windrim, Arch., Commonwealth Bldg., Philadelphia, Penn., has prepared plans for the construction of a two-story brick, stone and concrete penitentiary at Bellefonte.

Martinsburg, W. Va.—Bids will be received until Mar. 1, by O. M. Ramsey & Co., for constructing a five-story, 34x150 ft. apartment building. The estimated cost is $40,000.

Spartanburg, S. C.—Bids will be received until Oct. 27, by the Steedly Hospital Directors, for constructing a four-story and basement hospital. The estimated cost is $45,000.

✚**Hattiesburg, Miss.**—The contract for the construction of the Y. M. C. A. building has been awarded to C. O. EURE. Noted Sept. 24.

✚**Alexandria, La.**—The contract for the construction of the high school at Alexandria, has been awarded to CALDWELL BROS., Abbeville, La., at $107,222. Noted Sept. 17.

✚**Louisville, Ky.**—The general contract for the school to be erected at 42d and Herman Sts., has been awarded to the GENERAL CONSTRUCTION CO., at $62,500; heating and ventilating, $11,475. Noted Sept. 24.

✚**Ashtabula, Ohio**—The contract for the construction of a high school has been awarded to the NATIONAL FIREPROOFING CO., 1315 Citizens Bldg., Cleveland, by the city. Estimated cost $166,185.

Canton, Ohio—Plans have been prepared for the construction of a two-story freight house for the Wheeling & Lake Erie R.R. W. L. Rohbock, 509 Electric Bldg., Cleveland, Ohio, is the Arch. Estimated cost $100,000.

✚**Cincinnati, Ohio**—The contract for the construction of a four-story and basement service building, 160x200 ft., for the Ford Motor Co., 911 Race St., Cincinnati, has been awarded to IRWIN & LEIGHTON, 126 North 12th St., Philadelphia, Penn. Estimated cost, $250,000.

Cleveland, Ohio—Plans are being prepared by Charles W. Hopkinson, Arch., 900 Rose Bldg., Cleveland, for the construction of a two-story and basement gymnasium for the Western Reserve University, Euclid Ave. Estimated cost, $125,000.

✚**Cleveland, Ohio**—The contracts for the construction of four apartment houses on Stearns Road, have been awarded to MORRIS & CORNSWEET, 716 Society for Savings Bldg., Cleveland. Estimated cost, one $50,000, one $40,000 and two $35,000.

Plans have been prepared for the construction of an addition to the Charity Hospital at Central and East 22d St., Cleveland, by Walker & Weeks, Arch., 1900 Euclid Vav., Cleveland. Estimated cost, $200,000.

Plans are being prepared for the construction of a collarge building for the Western Reserve University, Euclid Ave. Cleveland to be erected at Adelbert and Cummington Roads, East Cleveland. Estimated cost, $100,000.

✚The contract for the construction of a building at 2035 West 65th St., for the St. Colman's Church, Cleveland, has been awarded to the ANDREWS BROS., 130 Engineers Bldg., Cleveland. Estimated cost, $135,000.

Munising, Mich.—Charlton & Kuenzli, Arch., Camp Bldg., Milwaukee, Wis., have prepared plans for the construction of a two-story school. Estimated cost, $75,000.

✚**Marshfield, Wis.**—The contracts for the erection of two buildings, three-story, 50x100 ft. and three-story, 50x50 ft., have been awarded to the WEINBERG CONSTRUCTION CO., for the Blodgett Wholesale Grocery Co. Noted Oct. 8.

Milwaukee, Wis.—Marshall & Fox, Arch., Chicago, have prepared plans for the erection of the Plankinton Block on Grand Ave. between West Water and Second St., for Charles W. Somers, Cleveland, Ohio.

Martin Tullgren & Sons, Archs., 133 Second St., have prepared plans for the erection of a three-story apartment building at 21st St. and Grand Ave. Estimated cost, $100,000.

Omaha, Neb.—John McDonald, Arch., is preparing plans for the construction of the Creighton Home for Working Girls on Dodge St., between 20th and 24th St. Estimated cost, $100,000.

Portland, Ore.—Bids will be received by the School Board until Oct. 20, for the construction of the Couch School. Estimated cost, $160,000.

✚**Los Angeles, Calif.**—The contract for constructing a ten-story and basement brick building, at Eighth St. and Broadway for the Spring Street Co., Los Angeles, Calif., has been awarded to J. V. McNEIL at $54,593.

✚The contract for the construction of a four-story apartment building at Grand Ave. and Court St. has been awarded to the CALIFORNIA ARCHITECTURAL & CONSTRUCTION CO., Los Angeles, for George J. Ley, Los Angeles. Estimated cost, $60,000.

Palo Alto, Calif.—Bakewell & Brown, Arch., San Francisco, have prepared plans for the construction of two gymnasiums for the Stanford University. Estimated cost, $200,000.

Sacramento, Calif.—The Sacramento Athletic Club contemplates the erection of a building at 11th and J Sts. Estimated cost $100,000. H. E. Yardley, J. M. Inman and Dr. F. E. Shaw are interested.

San Francisco, Calif.—Plans are being prepared for the construction of a building at 65th St. and University Ave. to replace the Wadsworth School recently damaged by fire. Estimated cost, $285,000.

The E. Keeler Co., of Williamsport, Penn., manufacturer of boilers, completed on Saturday, Oct. 10, fifty years of corporate existence. On that day their shops were closed and employees given a holiday. In the evening the company gave a banquet to its employees at which more than 300 were present. The President of the company, Mr. C. La Rue Munson, acted as toastmaster, and addresses were made by the Vice-President, Isaac Barton, Mr. Riley Allen, a director, Shop Superintendent Allison, Mr. J. W. Parker, manager of the Philadelphia office, and Mr. Ambrose B. Dean, manager of the New York office. The company has never closed its doors, never reduced the wages of its workmen, and never had a strike nor a lockout. The President read the names of a dozen employees who had served the company continuously from 18 to 39 years. Two of the founders of the company are still living and were present, Isaac Barton, Vice-President, and William B. Maitland.

Contracts to Be Let

Bids received until Oct. 21, 1914.

Proposal for State Road Work

Hartford, Conn.

SEALED PROPOSALS will be received by the State Highway Commissioner, Room 27, Capitol, Hartford, Conn., until 2 P. M. Wednesday, October 21, 1914, for the following sections of State Road Work in accordance with plans and specifications on file in the office of the State Highway Commissioner and at the following places: TOWN OF PRESTON—about 4990 linear feet of Native Stone Macadam, or Gravel Construction. Plans and specifications at house of Walter McClinon, third selectman, Preston. TOWN OF STERLING—about 5480 linear feet of Native Stone Macadam, or Gravel Construction. Plans and specifications at Town Clerk's Office, Oneco. TOWN OF COVENTRY—About 4700 linear feet of Native Stone Macadam Construction. Plans and specifications at Town Clerk's Office, South Coventry. TOWN OF OLD LYME—Construction of Abutments and Approaches, together with the erection of an 80-foot Span, 3-hinged Steel Girder, Arch Bridge. Plans and specifications at State Capitol, Hartford. TOWN OF DANBURY—about 11,777 linear feet of Concrete Pavement (Plain or Reinforced), Trap Rock Macadam, Rocmac, or Gravel Construction. Plans and specifications at Selectmen's office, Danbury. TOWN OF EAST HAVEN—about 3995 linear feet of Concrete Pavement, Bituminous Native Stone Macadam, or Native Stone Macadam Construction. Plans and specifications at Town Clerk's Office, East Haven. TOWN OF MORRIS—about 6700 linear feet of Native Stone Macadam, or Gravel Construction. Plans and specifications at Town Clerk's office, East Morris. TOWN OF SOUTHBURY—Construction of a section of Reinforced Concrete Retaining Wall. Plans and specifications at office of George E. Smith, Division Engineer, New Milford. All bids must be accompanied by a surety company bond or a certified check not less than one-third of the cost of the work. The State Highway Commissioner reserves the right to reject any and all bids.

Dated at Hartford, Conn., October 7th, 1914.

CHARLES J. BENNETT, State Highway Commissioner,
Room 27, Capitol, Hartford, Conn.

Bids received until Oct. 22, 1914.

Dormitory at State School

Farmingdale, N. Y.

NOTICE TO CONTRACTORS: Sealed proposals for Construction, Heating, Plumbing and electric work for Dormitory at the New York State School of Agriculture on Long Island, near Farmingdale, New York, will be received by A. A. Johnson, Acting Secretary of the Board of Trustees, State School of Agriculture on Long Island, 30 Lafayette Avenue, Brooklyn, New York, until 10 o'clock A. M. on Thursday, October 22nd, 1914, when they will be publicly opened and read. Proposals shall be enclosed in envelope furnished by the State Architect and shall be accompanied by certified check in the sum of 5% of the amount of bid. Each contractor to whom award is made will be required to furnish surety company bond in the sum of 50% of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of specifications Nos. 2012, 2014, 2013 and 2015. The right is reserved to reject any or all bids. Drawings and specifications may be consulted at the New York office of the Department of Architecture, Room 1224 Woolworth Building, at the office of A. A. Johnson, Director, Farmingdale, New York; and at the Department of Architecture, Capitol, Albany, New York. In applying for plans and specifications each bidder must state which part of the work, such as construction, heating, plumbing and electric work, upon which he intends to bid. Drawings and specifications and blank forms of proposals may be obtained at the Department of Architecture, Capitol, Albany, New York, upon the deposit of certified check in the sum of ten dollars ($10) made payable to the State of New York for each division of the work, which check will be returned when plans and specifications are sent back in good order to the State Architect, LEWIS F. PILCHER, Capitol, Albany, New York.

Bids received until Oct. 20, 1914.

Street Improvements

Bayonne, N. J.

Sealed proposals will be received by the Council of the City of Bayonne, N. J., at a meeting to be held in the City Hall, on Tuesday, October 20th, 1914, at 8 o'clock P. M. For all labor and material required for the improvement of the following streets, viz:—(1) Fourteenth Street, from Hudson Boulevard to Avenue A; (2) Orient Street, from Fifth Street to Evergreen Street; (3) Twentieth Street, from Hudson Boulevard to Avenue A; (4) Thirty-eighth Street, from Hudson Boulevard to Avenue C; (5) Hobart Avenue, from Third Street to Oak Street; (6) Forty Seventh Street, from Broadway to Avenue E; (7) Fifty-first Street, from Avenue B to Hudson Boulevard; (8) Fifteenth Street, from Avenue A to Hudson Boulevard; (9) Fifty-third Street, from Hudson Boulevard to Broadway; (10) Twelfth Street, from Avenue A to Dummy Road; (11) Linnett Street, from Orient Street to Ingham Avenue; (12) Fiftieth Street, from Hudson Boulevard to Avenue C; (13) Lord Avenue, from Fifth Street to Third Street; (14) Avenue C, from Fifty-fourth Street to Morris Canal; (15) Forty-first Street, from Avenue B to Avenue C; (16) George Street, from Lexington Avenue to Hobart Avenue; (17) Avenue A, from North Street to Thirty-first Street, with sheet asphalt, all under one contract. There will be required about 93,900 squ.yards asphalt paving on concrete, 35,000 lin. feet new blue stone curb, 6500 lin. feet old curb re-set, 9500 squ. feet new concrete flag, 60,300 squ. feet flag re-set, 100 squ. yards belgian block pavement re-laid, 63,800 squ. feet new blue stone flag, 2300 lin. feet new concrete curb, 1930 lin. feet new concrete curb and gutter, together with other appurtenances.

All bids must be on the regular forms provided for the purpose and submitted in sealed envelopes plainly endorsed with the name of the bidder and the title of the improvement.

Checks submitted in lieu of bond must be certified, or the bid will be rejected.

Plans and specifications for the work are on file in the office of the City Surveyor, where blank forms of proposals or any other information may be obtained.

The amount of bond required is $100,000.00.

The time allowed for the completion of the work is one hundred sixty (160) days.

The Council reserves the right to reject any or all bids.

By order of the Council.

WM. P. LEE, City Clerk.

Bids received until Oct. 19, 1914.

Building Improvements

Buffalo, N. Y.

NOTICE TO CONTRACTORS: Sealed proposals for construction of a Rear Porch on the Principal's Residence, Interior Telephones, Clocks, Program Bells and Fire Alarm System for the State Normal School, Buffalo, N. Y., will be received by Dr. Thomas E. Finegan, Assistant Commissioner for Elementary Education, Education Building, Albany, N. Y., until twelve o'clock noon, Monday, October 19th, 1914, when they will be publicly opened and read. Proposals shall be inclosed in an envelope furnished by the State Architect and shall be accompanied by certified check in the sum of 5% of the amount of bid and the contractors to whom the awards are made will be required to furnish surety company bonds in the sum of 50% of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specifications Nos. 2049 and 2026. The right is reserved to reject any or all bids. Drawings and specifications may be consulted at the New York Office of the Department of Architecture, Room 1224 Woolworth Building, at the office of the Department of Architecture, Capitol, Albany, N. Y., and at the Buffalo State Normal School, Buffalo, N. Y. Drawings and specifications may be obtained at the Department of Architecture, Capitol, Albany, N. Y., on reasonable notice to and in the discretion of the State Architect, Lewis F. Pilcher, Capitol, Albany, N. Y.